Hydrogeology and Servicing Assessment
Proposed Residential subdivision
3852 Ganaraska Road
Campbellcroft, Ontario

Prepared for:

Mistral Land Development Inc.
5905 Earlscourt Crescent
Ottawa, Ontario
K4M 1KZ

Submitted by:

The Greer Galloway Group Inc.
1620 Wallbridge Loyalist Road
Belleville, Ontario
K8N 4Z5

April 2022

GREER GALLOWAY
CONSULTING ENGINEERS

G R E E R
GALLOWAY
CONSULTING
ENGINEERS

April 14, 2022 Project 213-8438

Mr. Jeff Mycyk
Mistral Land Development Inc.
5905 Earlscourt Crescent
Ottawa, Ontario
K4M 1KZ

Hydrogeology and Servicing Assessment
Proposed Residential Subdivision
3852 Ganaraska Road
Campbellcroft, Ontario

Dear Jeff,

We are pleased to submit this water supply/well interference evaluation for your proposed residential subdivision in Garden Hill.

We trust that this report is complete within our terms of reference and sufficient for your requirements. Please call us if you have any questions about the report or any areas that require clarification. Once you have had the chance to review the draft, we will make any edits required and issue a final document.

Yours very truly,

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS

Charles Mitz, Ph.D., P.Geo.
Senior Project Manager

1620 Wallbridge Loyalist Road
R.R. #5
Belleville, Ontario
K8N 4Z5

Telephone
(613) 966-3068

Table of Contents

Figures (in-text)

Figures (appended after text)

Tables

Appendices

1. Introduction

The Greer Galloway Group was retained by Mr. Jeff Mycyk on behalf of and his partners to carry out a hydrogeological and servicing assessment for a proposed residential development planned for a 30.5 ha property located in the Hamlet of Garden Hill, Ontario on the north side of Ganaraska Road (part Lot 16, Concession 8, Geographic Township of Hope). Current plans call for the development of approximately 44 residential lots and up to 10 apartment units on the southern 17 ha of the property. These lots are to be serviced by individual groundwater wells and private septic systems with lots accessed by an internal road fabric connecting to Ganaraska Road and Porter Crescent.

The purpose of the work was to determine soil and groundwater conditions at the site and to demonstrate that the property is able to accommodate private sewage treatment/disposal systems in accordance with Provincial standards without affecting surrounding private water sources.

2. Investigation Methods

The study was carried out in accordance with the Ministry of the Environment, Conservation and Parks (MECP) Procedure D-5-4 (Individual On-Site Sewage Systems) and the Procedure D-5-5 (Private Well: Well Assessment) and included:

- Review of existing information regarding local hydrogeologic conditions,
- A neighbourhood survey for confirmation of reported water quality and quantity conditions,
- Pumping tests on four (4) test wells located on the property to make water quality and quantity observations and assess the potential of well interference on the subject and neighbouring properties.
- An assessment to determine whether private septic systems are a suitable form of servicing
- Evaluation of potential impacts to groundwater by the proposed subdivision.

The investigation methods are described further in the following subsections:

2.1 Information Sources

The initial task was a review of available information to characterize existing soil and groundwater conditions, and to identify any potential hazards/constraints associated with the planned permanent infrastructure. Information sources include topographic and geologic mapping, aerial photography and MECP Water Well Records.

The site was visited in April and June 2021. During the site reconnaissance visit, the property was traversed on foot and observations made regarding topography, soil exposures, vegetation, drainage, and neighbouring lands.

2.2 Neighbouring Well Survey

A door-to-door well survey was carried out by Greer Galloway staff for a subset of neighbouring wells within an approximately 500 m radius of the site. The purpose of this survey was to “ground truth” the results of the well records search and to determine whether some residences were supplied by wells not included in the MECP well records. Introductions were made and information regarding well water quality and quantity and location of the septic systems was requested. To limit physical interactions

during the Covid-19 pandemic, only those residences located in the immediate vicinity of the subject property were visited.

2.3 Geotechnical Investigation

A soils investigation was conducted for the property by Terraspec Engineering on April 27, 2021. Twelve (12) exploratory boreholes were placed on site using a track-mounted drill rig. Groundwater was typically encountered at depths of 1.0 to 2.0 m below surface. Monitoring wells were installed at Boreholes 4, 7, and 10. The well construction consisted of 3 m of 10-slot screen with sand fill, and 50 mm diameter schedule 40 PVC casing sealed at the top with bentonite fill, and fitted with a lockable steel monument cap.

Soil laboratory testing consisted of moisture content determination and grain size analysis. The borehole logs and laboratory testing data have been appended to this report (see Appendix A).

2.4 Test Well Construction and Testing

2.4.1 Test Well Construction

Four test wells A319286, A319287, A319288 and A319297 were constructed on four of the proposed lots across the portion of the site proposed for development. Four wells were selected as representative given the size of the site and the number of water well records available in the vicinity. We note that MECP Guideline D-5-5 calls for a minimum of five test wells (at least one of which must be located on the proposed development property) for sites of between 25 and 40 ha. However, the actual portion of the site to be developed is approximately 15 ha for which the minimum would be three wells (with a minimum of one being located on-site).

A319288 is a 152 mm diameter well drilled to a depth of 52.4 m on proposed Lot #7 in the central portion of the site. This well penetrated a surficial layer of grey gravelly sand and then a thick stratum of sandy clay to a depth of 29.6 m followed by soft grey clay to 41.1 m. An approximately 1.2 m thick layer of cemented sand and gravel was then encountered overlying bedrock at 42.6 m. The remainder of the well was extended through bedrock to a depth of 52.4 m. The driller reported a tested yield of 3.5 Imperial gallons per minute (15.8 L/min).

A319287 is a 152 mm diameter well drilled to a depth of 54.3 m on the boundary between proposed Lots #3 and #4 in the south-central portion of the site. This well penetrated a 1.5 m thick surficial layer of grey gravelly sand and then a thick stratum of sandy clay to a depth of 41.5 m. An approximately 0.3 m thick layer of cemented “shale” and gravel was then encountered overlying bedrock at 41.8 m. The remainder of the well was extended through bedrock to a depth of 54.3 m. The driller reported a tested yield of 0.5 Imperial gallons per minute (2.2 L/min).

A319286 is a 152 mm diameter well drilled to a depth of 34.0 m on proposed Lot #37 in the east-central portion of the site. This well penetrated a 0.9 m thick surficial layer of grey gravelly sand and then a thick stratum of clay-textured soils to a depth of 32.6 m. A 1.4 m thick layer of sand and gravel was then encountered extending to the termination depth of the well at 34.0 m. A 1.07 length of 30-slot stainless steel wire wound screen was set across the sand and gravel layer. The driller reported a tested yield of 100 Imperial gallons per minute (450 L/min).

A319297 is a 152 mm diameter well drilled to a depth of 43.6 m on proposed Lot #44 in the southeast corner of the site. This well penetrated 3.4 m of clayey sand (presumably glacial till) and then a thick stratum of clay-textured soils to a depth of 41.8 m. A cemented layer of sand and gravel was

encountered over limestone bedrock which was intersected at a depth of 43.3 m. The bottom 0.3 m of the well was uncased open hole. The driller reported a tested yield of 50 Imperial gallons per minute (225 L/min).

Well records are provided in Appendix B while the locations are shown on Figure 2 and details of the well construction and testing are summarized on the following table:

Table 1: Summary of Well Construction and Testing

Well Number	A319288	A319287	A319286	A319297
Purpose	Test well	Test well	Test well	Test well
Type	Drilled	Drilled	Drilled	Drilled
Depth (m)	52.4	54.3	34.0	43.6
Diameter (mm)	152	152	152	152
Static level (m BGL)	5.77	7.13	1.11	6.47
Aquifer	Bedrock	Bedrock	Overburden	Interface
Test date	02/02/2022	16/03/2022	01/02/2022	03/02/2022
Test type[1]	Variable rate	Variable rate	Fixed rate	Fixed rate
Test rate (L/min)	6	4	34	22
Duration (min)[1]	794	85	425	361
Quantity pumped (L)	6,005	507	14,450	8,048

2.4.2 Pumping Tests

Three nominally 6-hour pumping test were carried out from February 1 to 3, 2022 to assess yield and the potential for well interference. An additional pumping test was performed on well A319287 on March 16 2022. For each test, the well discharge was routed through a gate valve and the pumping rate was checked periodically using the time-volume method. Water levels were recorded during the pumping and recovery using datalogging pressure transducers (Solinst Model 3001). The discharge water was directed away from the pumped well a distance of approximately 40 m (downgradient of the well) and was allowed to flow overland away from the well to avoid artificial recharge of the aquifer. The water level observations during the test and the recovery period following the testing are included Appendices B to H.

During the first three pumping test, four on-site water supply wells (A319286, A319287, A319288, and A319297) and three 50 mm diameter monitoring wells (BH-4, BH-7 and BH-10) were monitored. Off-site drilled wells at 3988 Frost Ave (A032997) and 3964 Ganaraska Road (A147474) were also instrumented as observation wells to test for possible interference. During pumping of A319287, well A319288 was monitored as an observation well.

All dataloggers were synchronized prior to the testing and set to record at 20 s intervals with the exception of test wells A319286, A319288 and A319297 which were set to record at 10 s intervals. Monitoring of the neighbouring and test wells commenced on January 31, and continued until February 7, 2022, four days after the completion of the third pumping test. 20 s intervals for the monitoring wells and 10 s intervals for the test well was the same intervals used during pumping of A319287.

A groundwater quality sample was collected during each of the 4 pumping tests: The sample was collected 5 hours after commencing the flow test for A319286, A319288, and A319297. Pumping Test 4 on well A288287 was terminated early on as the well was assessed to be not suitable as a domestic supply well, and the water sample was collected prior to terminating the pumping test. The samples were placed in variety of laboratory-prepared sample containers that were sealed, placed into a cooler with ice packs to maintain a temperature of approximately 4 ^{o}C and transported to Caduceon Laboratories Kingston, Ontario. Analytical parameters included E. coli and total coliform bacteria, pH, total hardness, total alkalinity; calcium, magnesium, sodium; potassium; iron, manganese; chloride; sulphate; nitrate (NO_3-N); nitrite (NO_2-N); conductivity; dissolved organic carbon, tannins and lignins; and a variety of additional parameters (refer to the Laboratory Certificates of Analysis in Appendix C).

Pumping of A319286 was initiated at 12:48 pm on February 1, 2022. The weather at the start of the testing was clear and about -1 ^{o}C. Mean temperature for the previous month had been no greater than 0 degrees Celsius and no melt events had occurred in the previous two weeks. A static level of 1.11 m below ground level was measured immediately prior to the test.

The initial pumping rate was approximately 34 L/min. The pumping rate remained constant at 34±0.5 L/min for the full extent of the pumping test. The pumping test was ended after pumping for 7 hours and 5 minutes (425 minutes) with a drawdown of 0.39 m. Recovery was fairly quick with 49% recovery occurring within 5 minutes of the cessation of pumping and 64% complete within 45 minutes following the termination of the test. A total of 14,450 litres were pumped from the well during the course of the test. Drawdown and recovery are mildly impacted by drawdown of the water table from neighbouring wells.

Pumping of A319288 was initiated at 9:40 am on February 2, 2022. The weather at the start of the testing was clear and about 2 ^{o}C. The sky was completely overcast with light to moderate precipitation occurring between 2 and 4 pm, frozen ground conditions remained throughout the course of the pumping test. A static level of 5.77 m below ground level was measured immediately prior to commencing the pumping test.

The initial pumping rate was approximately 5 L/min, 20 minutes into the test the rate was altered to 10 L/min as planned step test. This rate was continued for 200 minutes until the static level reached the base of the pump and the well was allowed to recover for 5 minutes before resuming pumping at 9 L for 44 minutes until the base of the pump was again reached. The pumping rate was then gradually reduced to 6 L/min where it remained until the end of the pumping test at 11:06 pm when the pump was shut off and final recovery was allowed to occur. As the sustainable well yield is less than the residential rate of 13.7 L/min the pumping test was extended so that more than the equivalent amount of water was pumped during the pumping test. While pumping at a rate of 6 L/min the well recovered during pumping until the water level stabilized at approximately 15.8 m below ground level.

Recovery following the end of pumping reached 50% recovery within 110 minutes of the cessation of pumping and 74% within 238 minutes following the termination of the test. A total of 6,005 litres were pumped from the well during the course of the test.

Pumping of A319297was initiated at 10:13 am on February 3rd, 2022. The weather at the start of the testing was overcast and about -4 ^{o}C Temperature decreased to -7 ^{o}C by the end of the pumping test and periods of flurries occurred throughout the day. A static level of 6.47 m below ground level was measured immediately prior to the test.

The initial pumping rate was approximately 28 L/min and the rate changed to 22 L/min when a setting was changed on the generator after 16 minutes of pumping. After this initial pumping rate change the

pumping rate remained constant at 22±0.5 L/min for the full extent of the pumping test. The pumping test was ended after pumping for 6 hours and 1 minutes (361 minutes) with a total drawdown of 3.11 m. Recovery was fairly quick with 60% recovery occurring within the first hour following the termination of the test. A total of 8,048 litres were pumped from the well during the course of pumping test. Interference from neighbouring water supply wells is visible in the hydrograph for A319297 and delays full recovery of the well until 12 hours and 20 minutes following the end of the test.

Pumping of A319287 was initiated at 12:56 pm on March 16, 2022. Unlike the first three pumping tests, this test occurred during a period with a high water table and snow melt with little frost in the ground. The weather at the start of the testing was overcast and about 2ºC. A static level of 7.13 m below ground level was measured immediately prior to the test. Pumping occurred at 6 L per minute but this was reduced to 2 L per minute by the end of the first portion of the test at 1:27 pm. The pumping test was then resumed at 4:30 pm at 14 L/min until the water level reached the bottom of the pump at 19.01 m below ground surface, 24 minutes after pumping restarted. The pump was then shut off at 5:12 pm and lowered to a depth of 25.3 m below ground surface. Pumping was then resumed at 5:17 pm at a rate of 12 L/min. The water level reached the base of the pump within 9 minutes of pumping and the pump was again shut off at 5:29 pm and allowed to recover.

The pumping test cumulative duration was 1 hour and 25 minutes with a maximum drawdown of 18.14 m. Recovery was fairly quick with 60% recovery occurring within the first hour following the termination of the test. A total of 507 litres were pumped from the well during the course of the test.

3. Site Description and Background

3.1 Project and Site Description

Forty-four (44) residential lots are proposed for an approximately 16 ha area bounded by Ganaraska Road on the south and by the Garden Hill Conservation Area on the west. The roughly rectangular-shaped property is approximately 370 m wide at its thickest and extends approximately 650 m in a north direction from Ganaraska Road to a hydro corridor that bisects the larger 30.5 ha property. The lands are bounded by forested lands on the north and by residential land uses to the southwest and east. Current vegetative cover consists of a mix of active agricultural lands and forested lands bordering the hydro corridor.

3.2 Topography and Drainage

The property is undulating to rolling with the highest elevations occurring in the northeast portion of the site where the ground surface reaches approximately 191 metres above mean sea level (mASL). The balance of the property slopes in a southwesterly direction toward the banks of the North Ganaraska River at the Garden Hill Conservation Area where a low of approximately 173 mASL is reached. Drainage follows the topography with all surface water run-off entering the North Ganaraska River which flows in a generally southerly direction to the Hamlet of Canton approximately 8 km south south-east from the site where it joins the main branch of the Ganaraska River. The main branch of the Ganaraska continues flowing in a southerly direction until it enters Lake Ontario at Port Hope a further 7 km to the south south-east.

The North Ganaraska River is classified as a cold-water fishery dominated by brook trout (*Salvelinus fontinalis*), brown trout (*Salmo trutta*), rainbow trout (*Oncorhynchus mykiss*), mottled scuplin (*Cottus bairdii*), and pacific salmon (*Oncorhynchus spp.)* being the main cold-water species.

3.3 Climate and Water Balance

The proximity of the area to Lake Ontario has a moderating effect on the climate, creating less extreme conditions in summer and winter than in other parts of the province. The subject area is characterized by mild winters and relatively cool humid summers. Snow typically occurs during 5 months of the year from December to April with lake effect snow resulting in highly variable levels of winter precipitation from year to year. The estimated annual precipitation is approximately 865 mm for the Ganaraska River watershed.

Evapotranspiration is moderate and typically accounts for about half of the total water balance. Modelling carried out by the Trent Conservation Coalition Source Protection Committee (TCCSPC, 2018) indicates actual evapotranspiration (AET) of 498 mm/a for the area. Subtracting AET from total precipitation indicates a water surplus of approximately 367 mm/a.

The infiltration for the site was calculated as per the MECP 1995 guidance document (Hydrogeological Technical Information Requirements for Land Development Applications). It is based on three sub-factors which are:

- Topography sub-factor;
- Soil sub-factor; and,
- Cover sub-factor.

The following table presents infiltration factors based on the details of the ground cover factors for the area under current conditions:

Table 2: Summary of Local Well Depths and Yields

Site Characteristic	Infiltration Factor
Topography	
Flat Land	0.3
Rolling Land	**0.2**
Hilly Land	0.1
Soils	
Tight impervious clay	0.1
Medium combinations of clay and loam	0.2
Open sandy loam	**0.4**
Cover	
Cultivated Land	**0.1**
Woodland	0.2
Sum of Infiltration Factors	**0.7**

Given an average annual moisture surplus (P-ET) of approximately 372 mm and an infiltration factor of 0.7, we estimate an average infiltration of about 260 mm/a or roughly 7,123 L/day per hectare. This estimate may be compared to water budget modelling contained in the Ganaraska Source Protection Plan which estimated groundwater recharge in the range of 240 mm/a for glaciolacustrine sands. We note that this number is taken from guidelines published by the MECP for the purposes of nitrate loading calculations and the resulting recharge estimate may not be suitable for other purposes.

3.4 Geology

The subject property is located along the southern margin of the physiographic region of Southern Ontario known as the Oak Ridges Moraine (Chapman and Putnam, 1984). The Oak Ridges Moraine stretches from the foot of the Niagara Escarpment in Peel Region to the Trent River and contains numerous areas of natural significance as well as serving as a major groundwater recharge zone.

The surficial physiography of the region has resulted primarily from glacial activity that took place during the Wisconsinan Substage of the Quaternary period (circa 100,000 to 12,000 years BP). During this time, there were repeated advances and retreats of glacial ice lobes removing much of any pre-existing overburden. Overlying the bedrock are four or more glacial till deposits, two of which are regionally extensive and significant from a hydrostratigraphic perspective: the Halton and Bowmanville Tills. The quaternary geology is locally complex and may contain early or even pre-Wisconsinan deposits. This complexity has led to multiple competing conceptual geological sequences and nomenclatures in the published literature however there is a general consensus that the following sequence captures the key hydrostratigraphic units. There is no consensus on nomenclature and we have chosen the unit names that we believe are most familiar to hydrogeologists and engineers in the area.

1. Recent alluvium and organic deposits
2. Halton Till (and stratigraphic equivalents such as the Bouchette Till)
3. Oak Ridges Moraine Deposits
4. Bowmanville Till (equivalent to the Newmarket Till)
5. Clarke Deposits (equivalent to Thornecliffe Fm.)
6. Lower Strata (Port Hope Till, Sunnybrook Till, Scarborough Formation, pre-Wisconsinan)
7. Bedrock (Upper Lindsay Fm.)

Halton Till forms the upper glacial till in the area and forms a low-permeability cap over the Oak Ridges Moraine deposits. The till was deposited during the Port Huron Stadial (about 13,000 years ago) by glacial ice advancing from the Lake Ontario basin. The till is characteristically a fine textured clayey silt material further to the west (e.g., in Peel Region) but it becomes coarser further to the east (i.e. in the subject area) where it has a sandy loam texture and has been named the Bouchette Till (Martini et al., 1981).

The underlying sediments of the Oak Ridges Moraine are characterized by a variable (and often substantial) thickness of coarse-grained outwash and glaciofluvial strata deposited as an interlobate moraine. The stratigraphy within the Oak Ridges Moraine is complex and characterized by multiple episodes of deposition, erosion, and redeposition resulting in contrasting zones of high permeability that could be described as stacked braided stream channels. This unit is thin to absent beneath the subject site.

Bowmanville Till, is a very dense grey till varying between silty sand and sandy silt in texture with numerous limestone pebbles and occasional fragments of dark grey to black shale (Brennand, 1998). Lenses or thin beds of sand and fine gravel are reported within this unit, particular in the lower horizons. This Till is considered equivalent to the Newmarket Till (Sharpe et al., 2009) described further to the west.

The Bowmanville Till is underlain by another sequence of lacustrine and fluvial or glaciofluvial sand and gravel deposits referred to as the Clarke Deposits (Brookfield et al. 1982) of probable interstadial age. These deposits are considered to be stratigraphically equivalent to the Thornecliffe Formation (Davies and Holysh, 2007) of the Toronto area and they are underlain by lower permeability strata including the

Port Hope Till as well as a variety of early and possibly pre-Wisconsinan strata which may form productive aquifers of restricted areal extent.

The bedrock consists of limestones and shales laid down over older Precambrian-age rock of the Grenville Province beginning in the middle Ordovician (approximately 460 million years ago) as part of a continent-wide marine transgression. This transgression (a period of increasing sea levels) deposited, in order, the Shadow Lake, Gull River, Bobcaygeon, Verulam and Lindsay Formations (Armstrong and Carter, 2010). The Lindsay Formation is the uppermost bedrock unit beneath the subject site. It consists mainly of medium brown and grey, finely crystalline limestone, uniformly bedded with subequal thickness of pale to medium brown shale. These strata dip shallowly to the west.

3.5 Hydrogeology

Within the property, the groundwater table is encountered within the shallow sandy loam soils at depths between about 0.5 and 3 m below ground surface. Deeper wells screened in the underlying bedrock or basal sand and gravel aquifer have a lower water level ranging from 1 to 7 m below ground surface. This difference in piezometric elevation is unlikely to be the result of a strong downward gradient but rather the “daylighting” of deep aquifer horizons further to the south. Groundwater flow within the shallow overburden is interpreted to be in a south to southwesterly direction roughly parallel to the surface water drainage (see Figure 3, appended). Groundwater flow within the deep confined aquifer is interpreted to be in a southerly direction.

Review of MECP water well records for the area returned 125 well records within a radius of approximately 1.0 km from the property (see Figure 4, appended). Well records are provided in Appendix D and key data is summarized on the following table:

Table 3: Summary of Local Well Depths and Yields

Well No.	Static level (m)	Yield (L/min)	Depth to Bedrock (m)	Well depth (m)	Water	Formation
1902126	18.0			43.0	fresh	Overburden
1902127	Artesian	180.0	42.0	43.0	fresh	Bedrock
1902129	6.1		43.0	43.3	fresh	Bedrock
1902131	10.4			14.9	fresh	Overburden
1902132	Artesian	19.0		31.1	fresh	Overburden
1902133	6.1	11.3	40.8	41.1	fresh	Bedrock
1902134	7.6	15.1	41.0	42.7	fresh	Bedrock
1902136				42.7	Dry	Overburden
1902172	4.8	18.9		24.1	fresh	Overburden
1902173	6.1	11.4		39.9	fresh	Overburden
1902174	4.5	18.9		24.1	fresh	Overburden
1902175	5.4	18.9		17.7	fresh	Overburden
1902176	Artesian	18.9	45.7	50.3	fresh	Bedrock
1902697	6.0	9.5		24.1	fresh	Overburden
1902721	11.5	18.9		44.2	fresh	Overburden
1903703	7.3	11.4		11.0	fresh	Overburden
4504521	4.5	22.7		7.9	fresh	Overburden
4504633	3.4	22.7		41.1	fresh	Overburden

Well No.	Static level (m)	Yield (L/min)	Depth to Bedrock (m)	Well depth (m)	Water	Formation
4504798	6.0	37.9		22.9	fresh	Overburden
4505035	4.6	22.7		13.7	fresh	Overburden
4505552	8.5			45.7	fresh	Overburden
4505581	7.9	18.9		42.7	fresh	Overburden
4505584	41.1	37.9		41.1	fresh	Overburden
4506050	0.0	18.9		40.8		Overburden
4506213	3.0	18.9		8.2	fresh	Overburden
4506532	9.1	56.8		40.8		Overburden
4506539	0.0	37.9		37.8	fresh	Overburden
4506542	10.7	30.3		39.6	fresh	Overburden
4506764	4.5	15.1		15.5	fresh	Overburden
4507011	7.9	30.3		21.0		Overburden
4507062	6.0	15.1	41.4	45.7		Bedrock
4507063	4.5	11.4	39.0	47.2		Bedrock
4507123	9.8	18.9		15.2	fresh	Overburden
4507128	1.5	15.1		7.3	fresh	Overburden
4507281	0.6	37.9		40.8	fresh	Overburden
4507283	6.1	7.6	44.1	80.2	fresh	Bedrock
4507284	7.6	22.7	45.7	49.4	fresh	Bedrock
4507285	3.0	22.7		32.9	fresh	Overburden
4507613	1.2	15.1		7.9	fresh	Overburden
4507684	4.2	18.9		20.7		Overburden
4507685	3.2	18.9		21.9	fresh	Overburden
4507686	2.9	18.9		20.4	fresh	Overburden
4507693	19.8	15.1		27.4	fresh	Overburden
4507697	4.0	18.9	43.5	43.9	fresh	Bedrock
4507810	7.6	15.1	42.1	46.9	fresh	Bedrock
4508152	10.6	15.1		46.9	fresh	Overburden
4508153	10.3	22.7		43.9	fresh	Overburden
4508346	0.9	22.7		18.3	fresh	Overburden
4508462	16.8	11.4		23.2	fresh	Overburden
4508675	11.6	7.6		24.1	fresh	Overburden
4508763	1.8	26.5		18.3	fresh	Overburden
4508925		0.0	41.1	44.5	salty	Bedrock
4508926	7.9	45.4		17.7	fresh	Overburden
4508936	18.2	15.1		25.0	fresh	Overburden
4508938	24.3	15.1		36.0	fresh	Overburden
4508988	1.5	18.9		35.1	fresh	Overburden
4509030	1.5	30.3	45.1	45.4	fresh	Bedrock
4509203	13.7	18.9		48.8	fresh	Overburden
4509418	13.7	18.9		28.7	fresh	Overburden
4509564	0.6	15.1		41.1	fresh	Overburden

Well No.	Static level (m)	Yield (L/min)	Depth to Bedrock (m)	Well depth (m)	Water	Formation
4509592	3.0	18.9		20.4	fresh	Overburden
4509729	7.6	7.6	45.1	45.1	fresh	Bedrock
4509846	0.0	18.9		35.1	fresh	Overburden
4509875	22.8	18.9		38.7	fresh	Overburden
4509876		0.0	42.6	44.2		Bedrock
4509915	3.0	75.7		39.6	fresh	Overburden
4509964	4.3	18.9		21.3	fresh	Overburden
4510075	Artesian	18.9		36.6	fresh	Overburden
4510092	3.0	18.9		42.4	fresh	Overburden
4510211	13.7	11.4		24.4	fresh	Overburden
4510271	7.3	22.7		15.2		Overburden
4510286	6.0	18.9	46.0	47.5	fresh	Bedrock
4510287	0.6	30.3		27.4	fresh	Overburden
4510288	4.5	18.9	48.7	50.0	fresh	Bedrock
4511200	1.8	11.4		40.8	fresh	Overburden
4511397	0.0	75.7		40.5	fresh	Overburden
4511424	5.5	15.1		14.0	fresh	Overburden
4511443	0.9	3.8		2.4	fresh	Overburden
4511569	0.3	30.3	42.0	45.1	fresh	Bedrock
4511652	5.5	11.4	42.6	42.7	fresh	Bedrock
4511699	Artesian	37.9		13.7	fresh	Overburden
4511748	0.0	37.9		39.9	fresh	Overburden
4512271	21.9	37.9		48.8	fresh	Overburden
4512284	10.7	18.9	45.7	47.2	fresh	Bedrock
4512360	1.2	30.3		41.1	fresh	Overburden
4512471	8.8	18.9	4.8	47.5	gas	Bedrock
4512679	8.5	11.4		23.8	fresh	Overburden
4512729	0.0	30.3		38.7	fresh	Overburden
4512730	0.3	37.9		40.8	fresh	Overburden
4513073	10.7	7.6	44.5	45.4	fresh	Bedrock
4513276	6.0	30.3		12.2	fresh	Overburden
4513307	0.0	18.9		36.6	fresh	Overburden
4513337	12.2	37.9		44.8	fresh	Overburden
4513522	3.6	18.9		12.8	fresh	Overburden
4514073	2.4	30.3		17.7	fresh	Overburden
4514115	11.4			132.0	fresh	Overburden
4514159	9.1	11.4	41.4	41.8	fresh	Bedrock
4514123	2.4	18.9		42.0	other	Overburden
4514159	9.1	11.4	41.5	41.8	fresh	Bedrock
4514283	0.6	15.1		31.7	fresh	Overburden
4514384	3.0	37.9		33.8	fresh	Overburden
4514497	0.0	15.1		38.4	fresh	Overburden

Well No.	Static level (m)	Yield (L/min)	Depth to Bedrock (m)	Well depth (m)	Water	Formation
4514511	2.1	17.6		44.4		Overburden
4514529	2.4	22.7	44.2	46.0	other	Bedrock
4514550	0.9	22.5		34.5	fresh	Overburden
4514551	4.2	22.5		37.2	fresh	Overburden
4514571	2.1	22.7		45.7	fresh	Overburden
4514784						Overburden
4514785						Overburden
7039817	4.3	18.9		21.9	fresh	Overburden
7042624	0.0	22.7		45.7	fresh	Overburden
7042727	10.4	45.5		44.8	fresh	Overburden
7121498	9.4	30.2	42.1	43.9	fresh	Bedrock
7143690	3.0	30.5		14.4	fresh	Overburden
7168893	1.5	95.0		40.2	fresh	Overburden
7177004	3.0	26.5	39.9	40.2	untested	Bedrock
7177159	3.2	37.9		40.2	untested	Overburden
7212841	0.0	37.9		37.7	untested	Overburden
7220244	9.7	26.5	43.9	45.1	untested	Bedrock
7233168	5.4	18.9	40.2	40.5	fresh	Bedrock
7233198	Artesian	18.9		14.6	untested	Overburden
7236816	3.7	30.3		24.4		Overburden
7239075	11.5	18.9	48.1	50.0	untested	Bedrock
7273806	8.2	17.0	46.3	51.2	fresh	Bedrock
7326753	6.8	19.0	42.7	46.0	fresh	Bedrock
7351929	7.9	26.5		14.9	untested	Overburden
7351940	7.6	26.5		22.6	untested	Overburden

These records suggest water is found principally within the deep overburden or bedrock at depths from 2.4 to 80 m and with average and median depths of 34 and 40 m respectively. Reported well yields ranged from 0 to 180 L/min with average and median yields of 24 and 19 L/min respectively. Only one dry well was recorded.

This information indicates that the area offers favourable hydrogeology in terms of well yields. The deep sand and gravel/upper bedrock aquifer is well protected from shallow contaminant sources by more than 30 m of low permeability clay-dominated strata. Mapping published by the Trent Conservation Coalition Source Protection Committee (TCCSPC, 2018) shows the area being within a zone of low Aquifer Vulnerability.

4. Discussion

4.1 Servicing Options

Neither municipal water supply nor sewage servicing is available in the vicinity of the subject property. Accordingly, servicing is proposed as a combination of private water supply and private individual septic systems to serve the proposed residential lots. According to the Hierarchy of Servicing Preferences (Provincial Policy Statement D-5 Planning for Sewage and Water Services, s. 2.1.3), the preferred option is full municipal services, and for the use of communal water and sewage systems where full municipal services are not an option. Where neither municipal nor communal services are possible, or where they are unsuited for the site conditions, the use of individual on-site sewage and water services may be considered subject to meeting environmental and public health requirements. For the subject property, the use of communal septic treatment is considered less desirable than a more distributed system consisting of individual septic beds which are less likely to result in hydraulic overloading. Similarly, a distributed water supply system consisting of individual water supply wells is less likely to alter the overall groundwater flow regime than would be the case for a communal water supply system consisting of a single well or well cluster. A final consideration supporting the selection of individual septic systems and water supply systems is the requirement for a municipal responsibility agreement for such systems. This imposes costs and administrative complexities to the municipality with no balancing benefit to the environment. For these reasons, it is our opinion that individual wells and septic systems is the preferred servicing alternative for the proposed development.

4.2 Water Availability

Peak residential water demand is determined in accordance with Guideline D-5-5 to be approximately 14 L/min for a three (3) bedroom home and about 19 L/min for a four (4) bedroom home for 120 minutes per day. This is based on the average per capita use of 450 L/day/person as provided in Guideline D 5-5, although this is widely considered an obsolete and unrealistically conservative estimate of Canadian's average daily use (actual per capita residential water use is 225 L/person/day from Municipal Water Use 2009 Statistics for Ontario). Of the four wells tested, two (A319286 and A319297) have yields that substantially exceed the peak residential water demand. Well A319288, with a yield of about 6 L/min, is able to meet the projected peak water demand through a combination of yield and bore storage. Well A319287 (estimated yield 2 L/min) has insufficient yield to meet anticipated residential peak demands without the provision of augmented storage.

The target water supply aquifer is a deep confined system that is not considered vulnerable to seasonal fluctuations in the water table. The long term safe yield for wells sourcing this aquifer can be assessed using Farvolden (1959) who estimated the safe long term yield by applying a safety factor to the stable drawdown level of a well:

Safe yield = Cs(specific capacity) x H (available drawdown) x safety factor (0.7)

Well A3129288 reached a stable drawdown of 9.5 m while being pumped at a rate of 6 L/min. When accounting for the available drawdown and Farvolden's safety factor, we estimate a "safe yield" of approximately 18 L/min. Wells A319286 and A319297 are better performing in terms of yield but no stable drawdown was reached for these wells. We assessed the long term safe yield for these wells using Farvolden's 20-year safe yield method. This assumes that the long-term drawdown would follow the line predicted by the Theis theory for fully confined aquifer. Farvolden defined a "safe rate" of a well as:

$$Q_s = \frac{4\pi T(\frac{H_A}{8})}{2.3} S_f = 0.683 T H_A S_f \qquad [1]$$

Where,

Q = "safe" pumping rate (m^3/day);

H_A = available drawdown = (depth to top of aquifer – depth to static water level)

T = effective transmissivity, and

S_f = a safety factor for which Farvolden used 0.70

Applying Equation 1 to Well A319297 indicates a long term safe yield of approximately 65 L/min. The total drawdown observed in Well A319286 makes the estimation of transmissivity difficult but the long term safe yield for this well is higher than that calculated for A319297.

4.3 Water Quality

Untreated water quality samples were collected from each of the test wells at the end of each individual pumping test. A sample was collected 5 hours into the Pumping tests on A319286, A319288 and A319297, and 1-hour into pumping test on A319287. The wells were not chlorinated prior to testing except for a small amount of commercial bleach added immediately before the initiation of pumping to disinfect the pump and discharge lines. No chlorine was added to A319287 prior to pumping as a 6-hour pumping test was not anticipated based on the well yield described in the well record. Samples were submitted to Caduceon Laboratories in Kingston, Ontario. Analytical parameters included E. coli and total coliform bacteria, pH, total hardness, total alkalinity; calcium, magnesium, sodium; potassium; iron, manganese; chloride; sulphate; nitrate (NO_3-N); nitrite (NO_2-N); conductivity; dissolved organic carbon, tannins and lignins; and a variety of additional parameters. Results were compared to the ODWS. Laboratory certificates of Analysis are included in Appendix C and summarized in Table 4.

Table 4: Test Wells – Water Quality Summary

Parameter	Units	ODWS	A319286 (Lot 37)	A319288 (Lot 7)	A319297 (Lot 44)	A319287 (Lot 4)
Total Coliform	cfu/100mL	0 (<5)	0	0	0	**NDOGT** [1]
E coli	cfu/100mL	0	0	0	0	**NDOGT**
pH @25°C	pH Units	6.5:8.5 (A/O)	7.53	8.02	8.14	8.43
Colour	mg/L	5 (A/O)	< 2	< 2	< 2	< 2
Turbidity	mg/L	5 (A/O)	2.3	**7.3**	1.5	**64.9**
Fluoride	mg/L	1.5 (MAC)	< 0.1	0.3	0.2	0.4
Chloride	mg/L	250 (A/O)	1.7	66.3	105	149
Nitrite (N)	mg/L	1 (MAC)	< 0.1	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	10 (MAC)	< 0.1	< 0.1	< 0.1	< 0.1
Sulphide	mg/L	0.05	<0.01	<0.01	0.01	<0.05
Sulphate	mg/L	500 (A/O)	9	1	<1	<1
Organic Nitrogen	mg/L	0.15 (OG)	< 0.1	9.8	0.8	0.3

Parameter	Units	ODWS	A319286 (Lot 37)	A319288 (Lot 7)	A319297 (Lot 44)	A319287 (Lot 4)
Dissolved Organic Carbon	mg/L	5 (A/O)	3.4	0.5	0.3	0.6
Hardness (as $CaCO_3$)	mg/L	80:100 (OG)	165	159	180	90
Copper	mg/L	1 (A/O)	< 0.002	< 0.002	< 0.002	< 0.002
Iron	mg/L	0.3(A/O)	0.126	**0.356**	0.255	**6.94**
Magnesium	mg/L	…	19.4	19.4	23.5	11.5
Manganese	mg/L	0.05(A/O)	0.029	0.01	0.008	**0.209**
Sodium	mg/L	200 (A/O)	9.5	*51.5*	*77.8*	*71.6*
Zinc	mg/L	5 (A/O)	< 0.005	0.009	< 0.005	0.085

NOTES:
NDOGT – Overgrown with bacteria cannot be quantified
ODWS – Ontario Drinking Water Quality Standards from the Ontario Safe Drinking Water Act, 2002
MAC – Maximum Acceptable Concentration (health-related)
A/O – Aesthetic chemical/physical Objectives (not health-related)
Bold – exceeds MAC or A/O

Water quality on the site meets all health-related ODWS parameters except for total coliform bacteria which exceeded the Ontario Drinking Water Standard (non detectable) as well as the less than 5 cfu/100 mL limit used by D-5-5 for test well A319287. The apparent detection of E. coli at that location is due to the plate overgrowth and E. coli are unlikely to be present. Concentrations of sodium were greater than the 20 mg/L level above which people with sodium restricted diets should be advised for wells A319287, A319288 and A319297. Well A319287 had significant exceedances of the aesthetic objective for, manganese and iron which may cause blackening/browning of water, laundry and fixtures. The aesthetic objective for turbidity was marginally exceeded for A319288 and greatly exceeded for A319287. Turbidity levels in A319288 should decrease with further well development. All other aesthetic exceedances are easily treatable and not considered to be problematic. All wells except for A319287 yielded water that is considered potable.

4.4 Potential for Well Interference

During the pump tests, monitoring was carried out for the four on-site water supply wells (A319286, A319287, A319288, and A319297) and three 50 mm diameter monitoring wells (BH-4, BH-7 and BH-10) were monitored. Off-site wells at 3988 Frost Ave (A032997) and 3964 Ganaraska Road (A147474) were also instrumented as observation wells to test for possible interference.

No change in water levels attributable to the pumping tests was observed in any of the observation wells for any of the tests except A319297. The test pumping of A319297 generated a drawdown of 1.46 m in A319287 (distance 224 m), a drawdown of 2.98 m in the observation well at 3964 Ganaraska Road (distance 24 m), and a drawdown of 2.56 m in the observation well at 3988 Frost Ave (distance 134 m). No effects were seen on the three shallow aquifer observation wells (BH-4, BH-7, and BH-10).

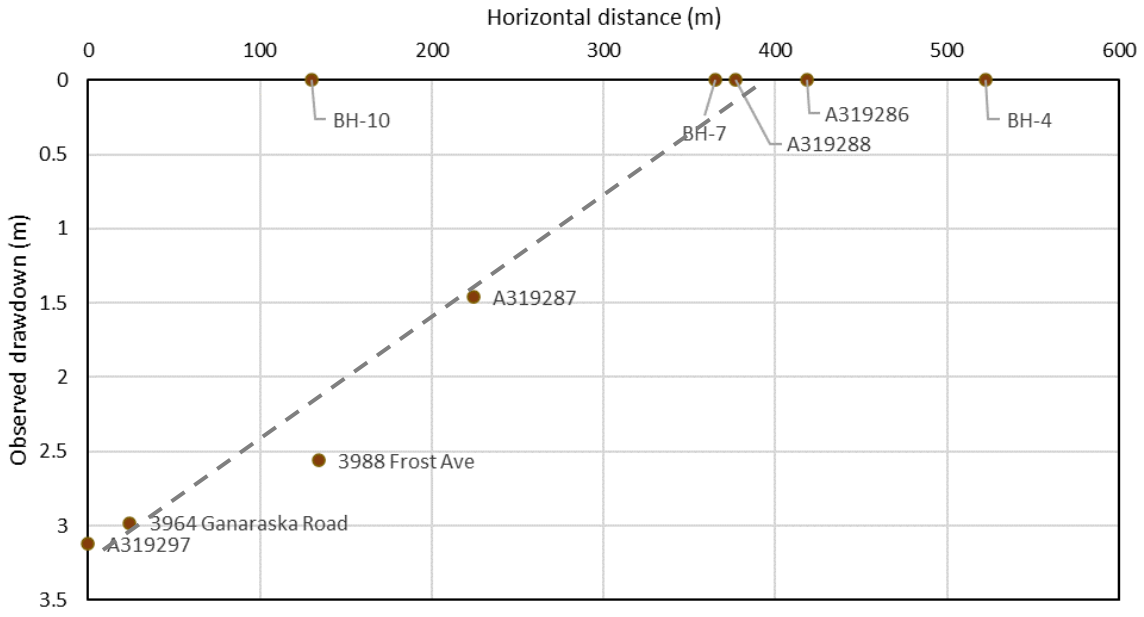


Figure 1 – Distance vs. Drawdown for Well A319297

These results are typical for a transmissive confined aquifer system where pumping results in a near-instantaneous depressurization of the system. The observed drawdowns suggest a radius of influence of about 400 m and a similar behaviour is hypothesized for Well A319286 although its drawdown was too small for effects to be realistically observable in distant observation wells.

The potential for well interference under long term pumping was also assessed by determining the zone of influence for a hypothetical well pumping at an average rate (Q) of 1,000 L/day (typical of an average residential daily water demand). The radius of influence (R) may be estimated using the estimated steady-state value for Q and the average recharge (r) to the aquifer according to:

$$Q = \frac{\pi R^2}{365} r$$

Which yields a radius of influence of about 25 m based on the estimated recharge of 260 mm/a. This radius of influence is unrealistically small since the amount of recharge reaching the deeper aquifer will be lower than the primary amount of infiltration but taking all 44 proposed lots, we derive a necessary infiltration rate of less than 100 mm in order for on-site recharge to equal the amount of water taken from the hypothetical wells. This is far lower than the published estimates of recharge rates across the Oak Ridges Moraine.

To provide an additional assessment of the potential for interference between wells, we first used the Theim equation for a confined aquifer to determine the effective transmissivity of the aquifer in the vicinity of Well A319297[1]:

$$T = \frac{Q}{2\pi(s_1 - s_2)} ln\left(\frac{r_2}{r_1}\right) \qquad [2]$$

Where,

Q	= pumping rate (m^3/day);
T	= aquifer transmissivity (m^2/day),
S_1	= observed drawdown at observation well 1 (m)
S_2	= observed drawdown at observation well 2 (m)
r_1	= distance to observation well 1 (m)
r_2	= distance to observation well 2 (m)

Since the values for Q, s and r are known, we can use Equation 2 to solve for T.

Using the derived value for transmissivity (7 m^2/day), the lateral extent of groundwater level drawdown with time can be estimated Applying the Theis analytical solution, as follows:

$$s(r,t) = \frac{Q}{4\pi T} W\left(\frac{r^2 S}{4Tt}\right) \qquad [3]$$

where $s(r,t)$ = drawdown at distance (r) and time (t = 20 years or 7300 days) after the start of pumping, and

Q	= average pumping rate for 44 houses (44 m^3/day);
T	= aquifer transmissivity (7 m^2/day) ;
S	= aquifer storativity (an estimate of 0.01); and
W	= Theis well function.

Under these assumptions the pumping of 44 m^3/day for 20 years yields a maximum drawdown of 3 m at 200 m. This estimate is roughly 10% of the available drawdown in a hypothetical nearby well and would not be expected to significantly affect water supplies in the lands surrounding the proposed development. Therefore, we conclude that the site may be serviced by individual drilled water supply wells with little risk of causing interference with offsite wells.

4.5 Potential for Ecological Effects from Water Takings

No intake protection zone, wellhead protection area, or Provincially Significant Wetland areas are known to occur within the estimated radius of influence. Therefore, the potential for any direct adverse impacts to ecological features is mostly limited to effects on baseflow to the North Ganaraska River since precipitation infiltrating on the site ultimately contributes to baseflow in the river. Groundwater

[1] Well A319286 was not analyzed because of its extremely high yield and limited drawdown. Well A319288 was not analyzed since we observed no drawdown in observation wells while test pumping this well.

discharge contribution during periods of time without precipitation and during critical summer low-flow periods is essential in sustaining the ecological and hydrological integrity of these cold water streams.

For the proposed development, the use of the deep confined aquifer system for water supply and the shallow sandy loam soils as the receiver for septic system effluent will result in a net increase in baseflow to the river proximal to the site although the increase will be insignificant and may be partially offset by reduced stormwater recharge unless the stormwater management plan is designed to preserve pre-development recharge rates across the site. The North Ganaraska River in the area adjacent to the site is impounded by a dam and does not provide suitable spawning habitat for sensitive cold water species such as brook trout (*Salvelinus fontinalis*) which require upwelling groundwater flow through streambed gravels for spawning.

Cumulative effects are those likely to result from the current project in combination with other activities that have been carried out in the past or that are reasonably foreseeable in the future. For example, the destruction of a small area of habitat might be acceptable if taken in isolation but unacceptable if the surrounding habitat areas are already earmarked for drastic alteration. Ganaraska River watershed assessment report characterizes the stress levels as “low” under both existing and future development scenarios for both groundwater and surface water. We therefore conclude that the potential for water takings to cause adverse ecological effects remains low when cumulative effects are taken into consideration.

4.6 Onsite Sewage Treatment

Environmental impacts to groundwater from private sewage works are typically assessed under the MECP’s Guideline entitled “Technical Guideline for Individual On-site Sewage Systems: Water Quality Impact Risk Assessment”, dated August 1996 (Guideline D-5-4). Under D-5-4 minimum lot size is determined by a three-step process which can be simplified as follows:

1. Lots greater than 1 hectare – no study needed
2. System isolation – no study needed

If nether 1 nor 2 apply, then nitrate loading is normally used to determine minimum lot size (Step 3).

System isolation normally refers to the vertical separation between a receiving aquifer and a water supply aquifer although areas with full municipal water servicing would also qualify under system isolation criteria

“When it has been demonstrated that the sewage effluent will not enter supply aquifers, the lot density of the proposed development may be dictated by factors such as the need for sewage system replacement areas (i.e., contingency area), and by the minimum distances between individual on-site beds and wells, as defined by Ontario Regulations 358 and 903”.

Based on the presence of a thick low-permeability stratum of clay-dominated soils between the shallow soils and the deep confined aquifer system, we consider system isolation to be applicable to this site. Under such conditions, the minimum lot size is governed by the requirements of the Ontario Building Code plus a 100% reserve area (i.e., twice as much land as needed for a septic system excluding the mantle if required). In this case, the loading factors contained in Table 8.7.4.1. of the Ontario Building Code provide a conservative basis for this calculation. Using the lowest loading factor of 6 to 8 L/m^2, a 4-bedroom home would generate a daily design sewage flow of 2,000 L/day which would require an area of between 250 and 335 m^2 (or 300 to 500 m^2 assuming a filter bed system and including reserve

area). Septic systems must be constructed in accordance with Section 8 of the Ontario Building Code and must meet the following setback distances:

Table 5: Minimum Clearances for Distribution Piping

Object	Minimum Setback (m)
Structure	5
Well with a watertight casing to a depth of 6 m	15
Any other well	30
Pond	15
Stream	15
Property Line	3

The proponent has made calculations showing that the proposed lots are large enough to accommodate septic systems while meeting these setback distances (see the conceptual lot layout in Appendix E). We therefore conclude that the proposed lots are large enough to accommodate private individual septic systems in accordance with the Ontario Building Code. The apartment structure proposed for Lot 44 will likely fall under Provincial jurisdiction and will require an Environmental Compliance Approval. Details for servicing this proposed lot are dependent on the outcome of pre-application consultations with the MECP.

5. Summary and Recommendations

This report presents the results of a hydrogeological assessment for a proposed residential development planned for the south portion of a 30.5 ha property located in the Hamlet of Garden Hill, Ontario. The study was carried out in general accordance with the Ministry of the Environment, Conservation and Parks (MECP) Procedure D-5-4 (Individual On-Site Sewage Systems) and Procedure D-5-5 (Private Wells: Water Supply Assessment). Our assessment found the following:

1. The preferred servicing alternative is private individual groundwater wells for water supply and individual septic systems for sewage treatment/disposal.
2. The proposed development site is underlain by shallow sandy loam soils that are considered suitable to accommodate private individual septic systems.
3. The site is underlain by a confined deep overburden and bedrock aquifer system that is protected from shallow contaminant sources by more than 30 m of low-permeability clayey strata.
4. The deep confined aquifer system is able to yield sufficient quantities of potable water to meet anticipated residential water demands for the proposed residential lots based on testing carried out as part of this study. Review of the MECP water wells database for the area also shows suitable yields for residential water supply.
5. The deep confined overburden and bedrock aquifer system is recommended for future water supply wells. Use of this aquifer is mandatory for the proposed development if lot density is to rely on system isolation.
6. Well interference is not anticipated to be a concern based on the results of the assessment and the characteristics of the deep overburden aquifer.

7. No adverse effects to ecological features (with particular emphasis on the cold-water fish habitat of the North Ganaraska River) are predicted.

In summary, our findings are favourable for the planned residential development of the subject lands. We note that three of the four test wells yielded sufficient quantities of potable water while the fourth well was inadequate in terms of both yield and quality. The following specific recommendations are offered:

1. Well A319287 did not produce sufficient yield to meet anticipated residential uses. This well also generated groundwater that did not meet Ontario Drinking Water Standards or the requirements of MECP Guideline D-5-5. This well should be abandoned by a licensed well contractor in accordance with O.Reg. 903.
2. The proposed lot density is supportable by individual groundwater wells for water supply and individual septic systems for sewage treatment/disposal. However, the lots are small and meeting regulatory setback distances plus a reserve area will limit the areas where wells can be drilled. If the development proceeds using the proposed lot density, we recommend that a viable well be established on each lot before that lot can be made available for sale.

All of which is respectfully submitted.

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS

David Cooper, M.Env.Sc.
Environmental Scientist

Charles Mitz, M.Eng., Ph.D., P.Geo.
Senior Project Manager

DC/CM

6. References

Brennand, T.A., 1998. Urban Geology Note: Oshawa Ontario. In P.F. Karrow, and O.L. White (Eds.), Geological Associations of Canada, Special Paper 42: Urban Geology of Canadian Cities, p. 353-364.

Brookfield, M.E., Gwyn, Q.H.J. and Martin, I.P. 1982. Quaternary sequences along the north shore of Lake Ontario: Oshawa-Port Hope. Canadian Journal of Earth Sciences, 19:1836-1850.

Chapman, L.J. and Putnam, D.F. 1984. The Physiography of Southern Ontario. Third Edition. Ontario Geological Survey, Map 2556, scale 1:1 000 000.

Chiotti, Q and Lavender, B. 2008. Ontario: in From impacts to Adaptation: Canada in a changing climate 2007, edited by D.S. Lemmen, F.J. Warren, J.

Farvolden, R.N. 1959. Groundwater Supply in Alberta; Alberta Research Council, unpublished report

Ganaraska Region Conservation Authority. 2007. Conceptual Understanding - Water Budget: Watersheds Draining to Lake Ontario, Final Draft Report Version 2.5, September 27, 2007.

Ganaraska Region Conservation Authority. 2008. Watershed Characterization Report, Ganaraska Region Source Protection Area. Version 3.0 Draft. Ganaraska Region Conservation Authority, Port Hope, Ontario.

Ganaraska Region Conservation Authority. 2008. Tier 1 Water Budget and Stress Assessment. Version 1.0 Draft. Ganaraska Region Conservation Authority, Port Hope, Ontario.

Ganaraska Region Conservation Authority. 2008. Cobourg Creek Background Report: Abiotic, Biotic and Cultural Features. Ganaraska Region Conservation Authority. Port Hope, Ontario.

Martini, I.P., Brookfield, M.E.,and Gwyn, Q.H.J, 1981: Quaternary stratigraphy of the Coastal Bluffs of Lake Ontario east of Oshawa, field guide in Quaternary Dating Methods Symposium, Abstract with Program, York University, May 1981, p. 89-111.

Ministry of the Environment and Climate Change, 1996: D-5-5 Private Wells: Water Supply Assessment, updated March 15, 2016.

Ministry of the Environment and Climate Change, 1996: D-5-4 Individual On-Site Sewage Systems: Water Quality Impact Risk Assessment, updated April 14, 2016.

Ontario Geological Survey. 1994. Aggregate Resources Inventory of Hope and Hamilton Townships, Northumberland County. Paper 142. Ministry of Natural Resources.

Sharpe, D.R., Barnett, P.J., Russell, H.A.J., Brennand, T.A., and Gorrell, G., 1999: Regional geological mapping of the Oak Ridges Moraine, Greater Toronto Area, southern Ontario; in Current Research 1999-E; Geological Survey of Canada, p. 123–136.

Trent Conservation Coalition, 2018. Ganaraska Assessment Report - Ganaraska Region Source Protection Area; http://trentsourceprotection.on.ca/images/assessment-reports/Ganaraska/Ganaraska_AR_Volume_1_of_3_Report_March2018.pdf

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNRF); "Make a Map" Natural Heritage Areas; https://www.gisapplication.lrc.gov.on.ca/, accessed April 2021

LEGEND:

TEST WELL

OBSERVATION WELL

PROJECT 2138438:

PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 2:

SITE PLAN SHOWING TEST AND OBSERVATION WELLS

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNRF); "Make a Map" Natural Heritage Areas; https://www.gisapplication.lrc.gov.on.ca/, accessed April 2021

LEGEND:

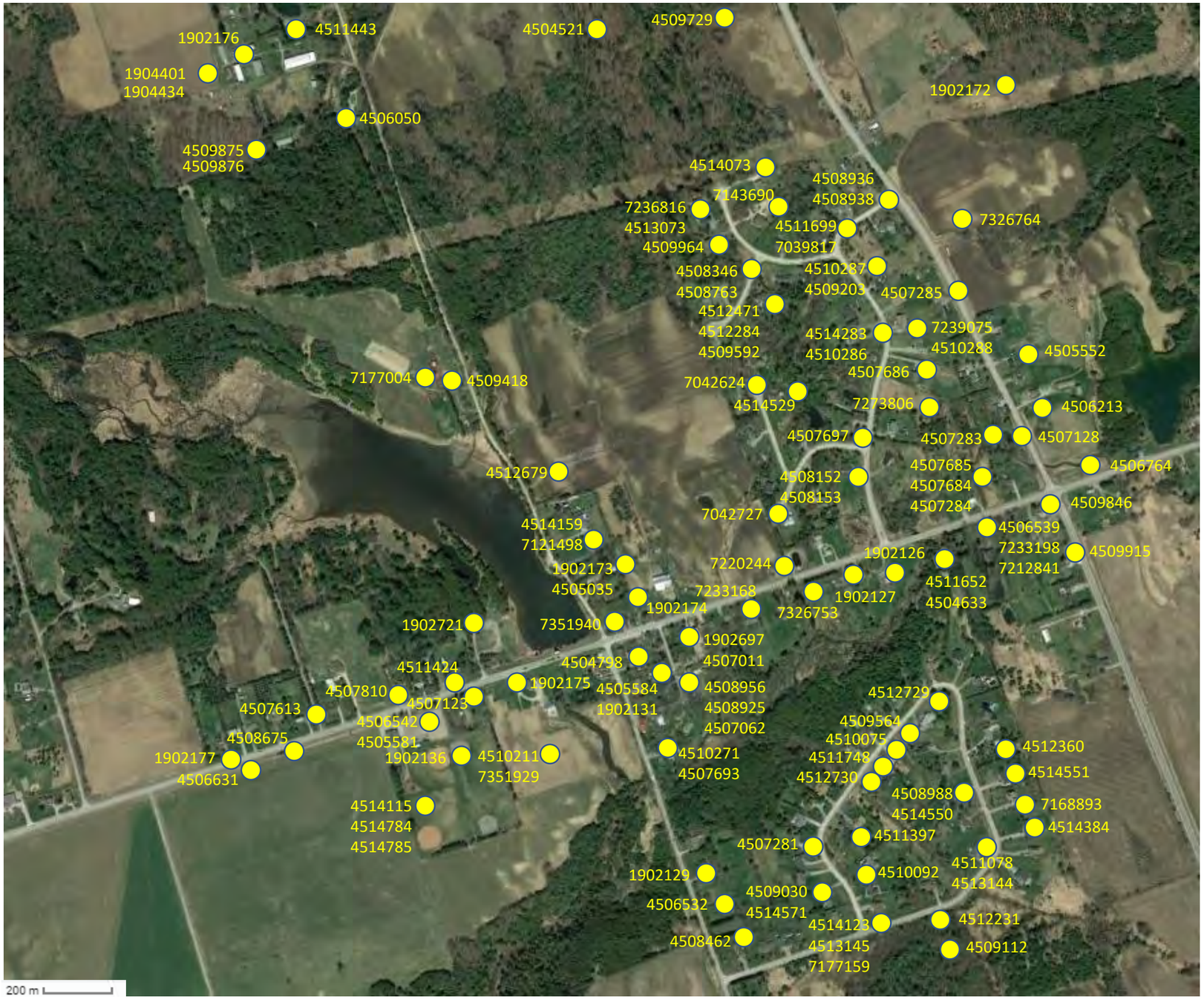
Interpreted groundwater table elevation (metres above mean sea level)

PROJECT 2138438:

PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 3:

SITE PLAN SHOWING SHALLOW GROUNDWATER FLOW DIRECTIONS



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNRF); "Make a Map" Natural Heritage Areas; https://www.gisapplication.lrc.gov.on.ca/, accessed April 2021

LEGEND:

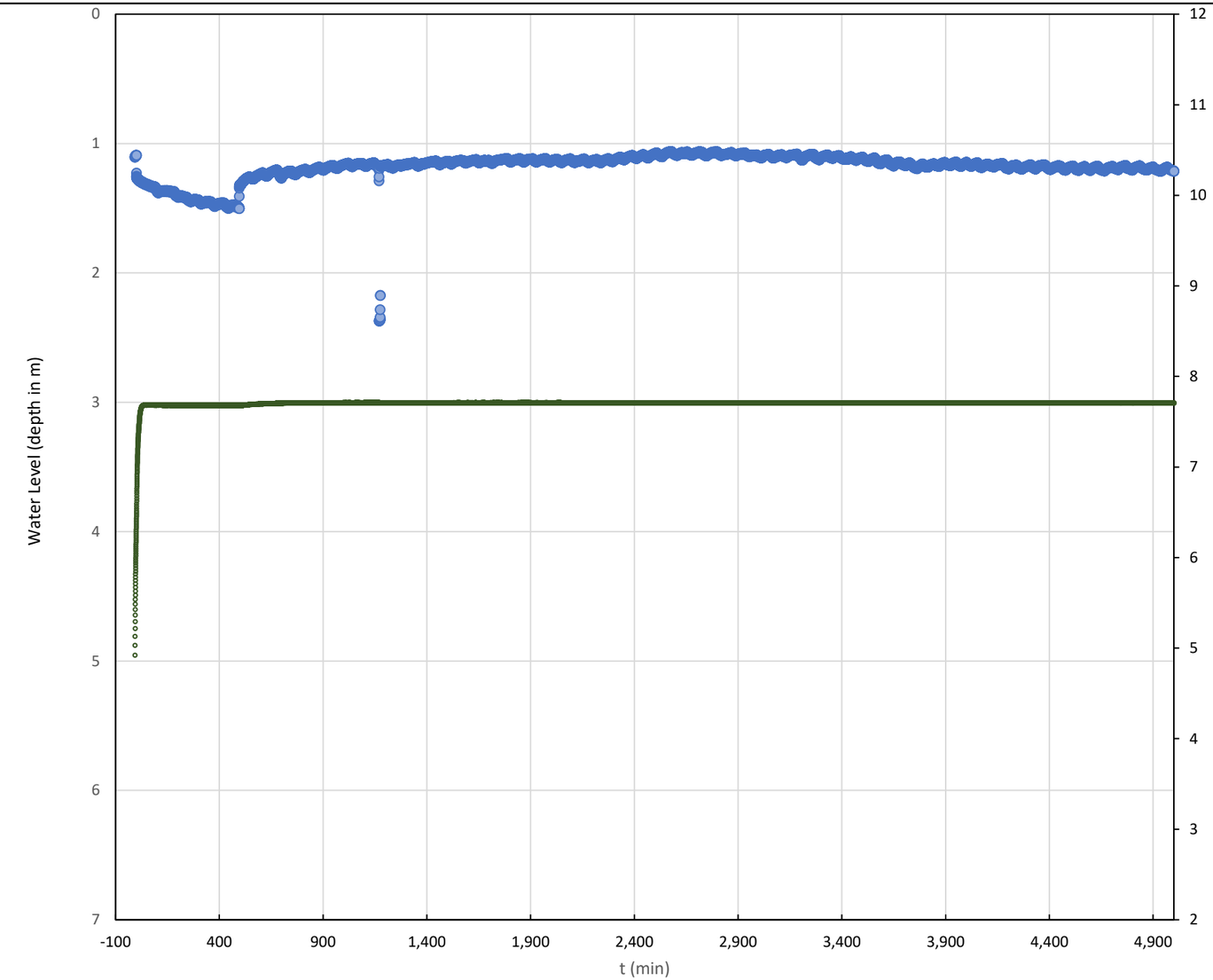
MECP Water Well Record
(Location as per MECP database)

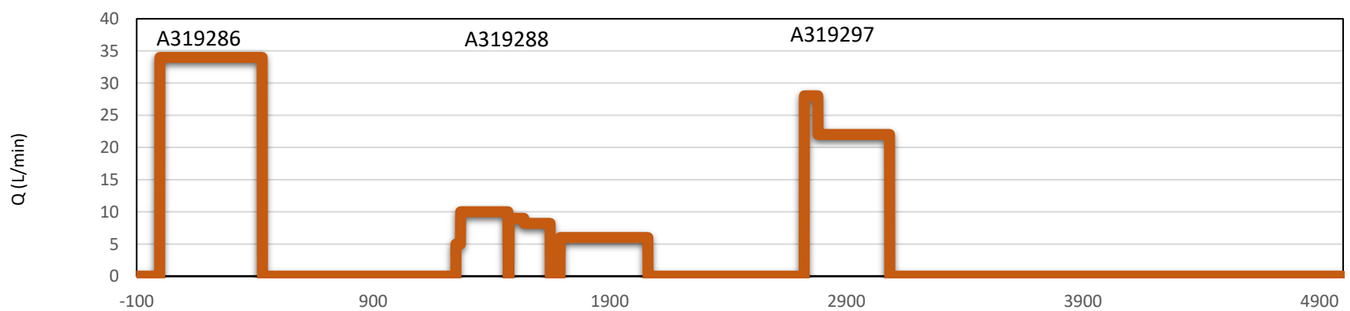
PROJECT 2138438:

PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 4:

SITE PLAN SHOWING SURROUNDING MECP WELL RECORDS





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

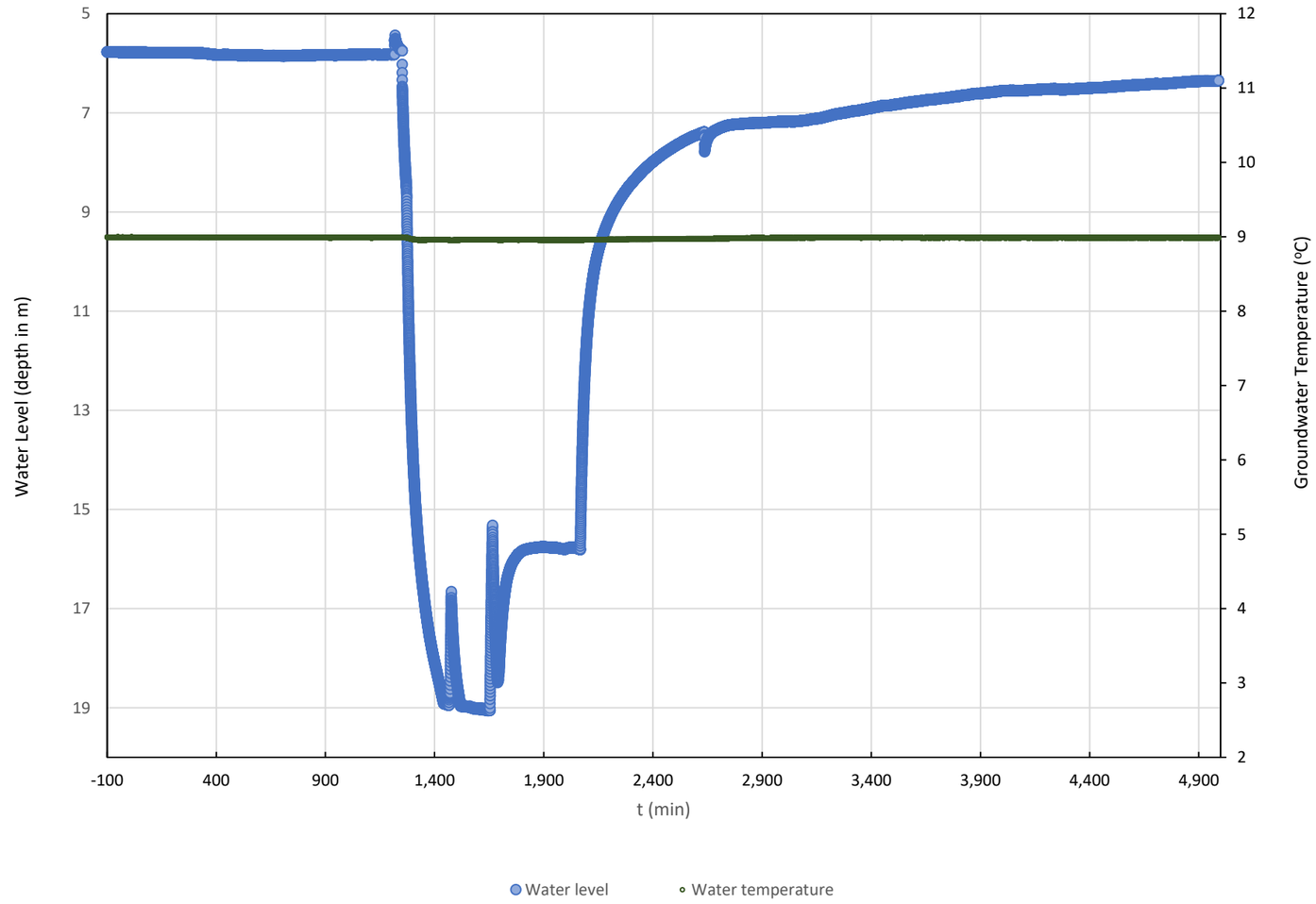
1) Quantity testing carried out on February 1, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

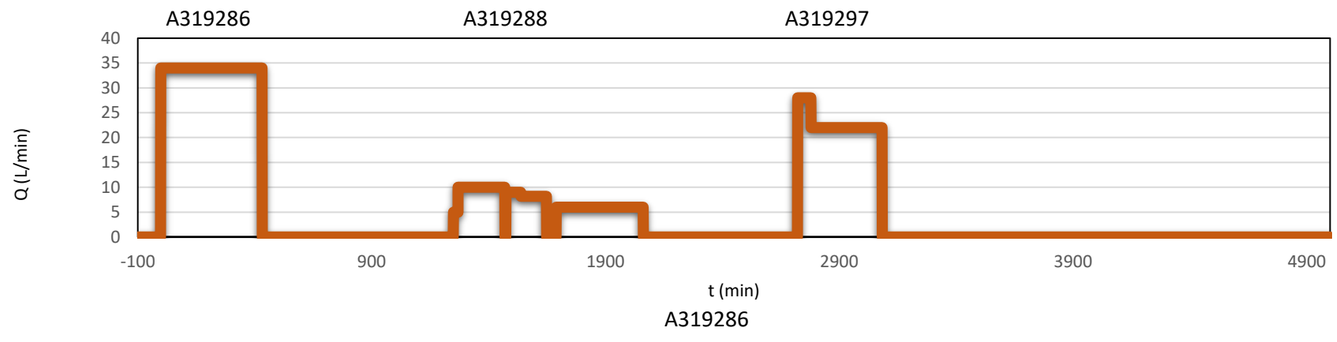
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 5:

WELL HYDROGRAPH – TEST WELL A3129286





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

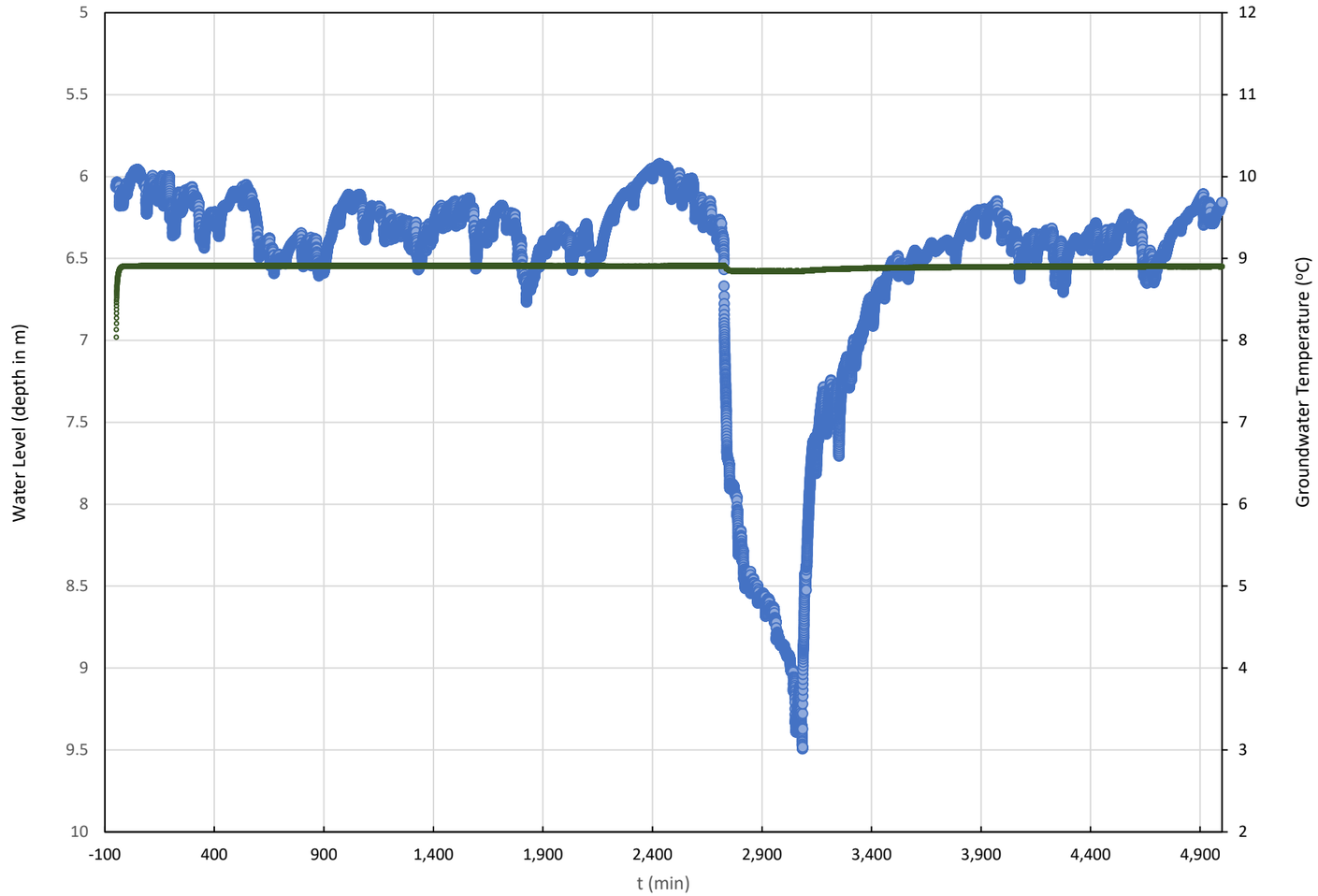
1) Quantity testing carried out on February 2, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

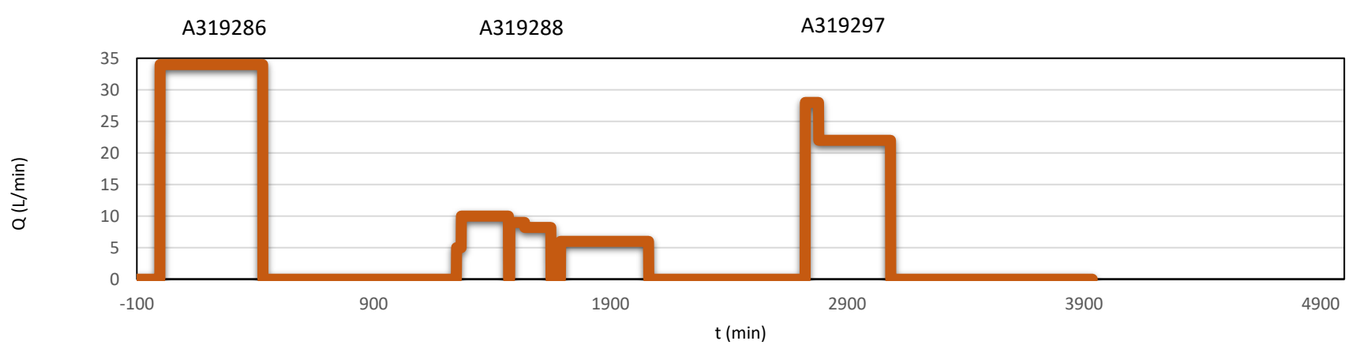
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 6:

WELL HYDROGRAPH – TEST WELL A3129288





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

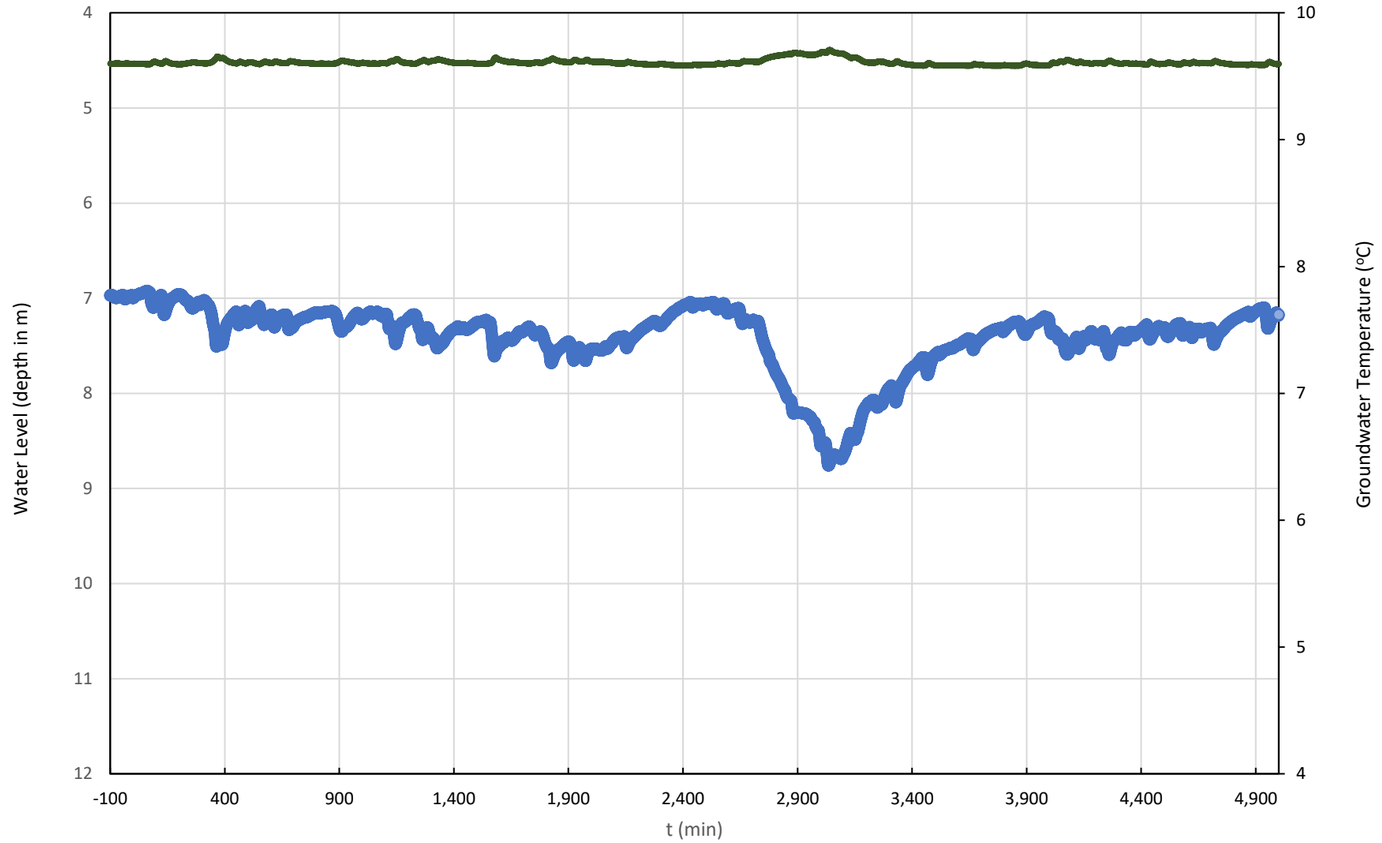
1) Quantity testing carried out on February 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

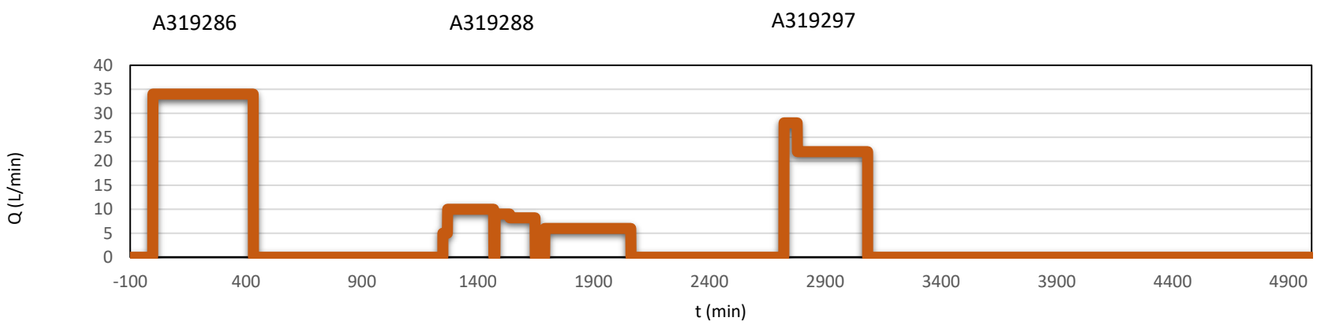
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 7:

WELL HYDROGRAPH – TEST WELL A319297





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

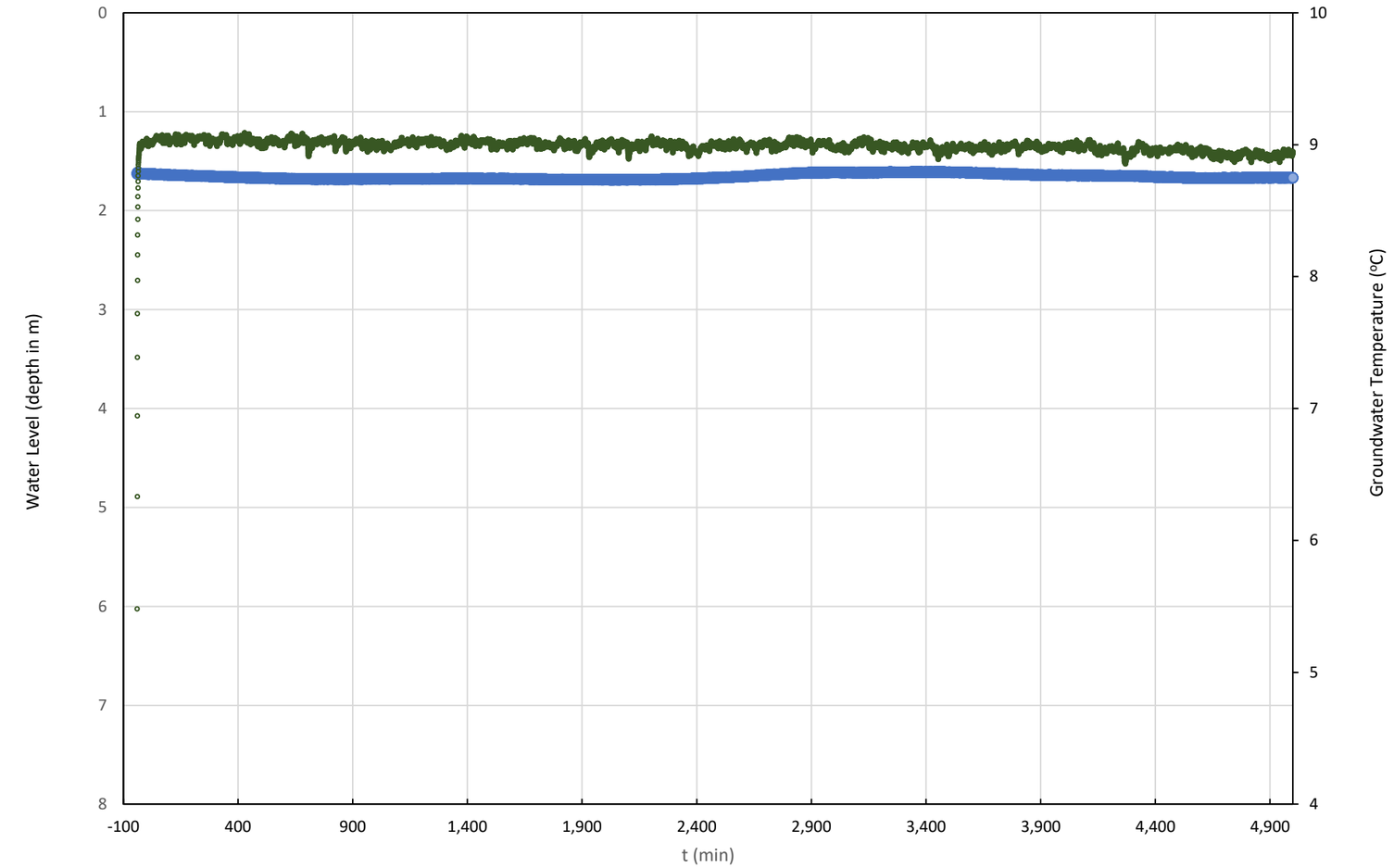
1) Quantity testing carried out on February 1 to 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

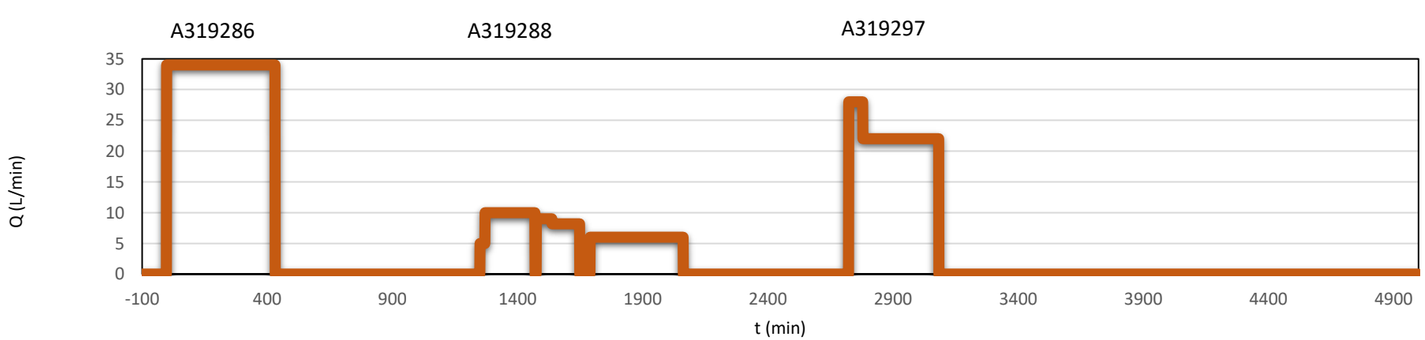
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 8:

WELL HYDROGRAPH – MONITORING WELL A319287





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

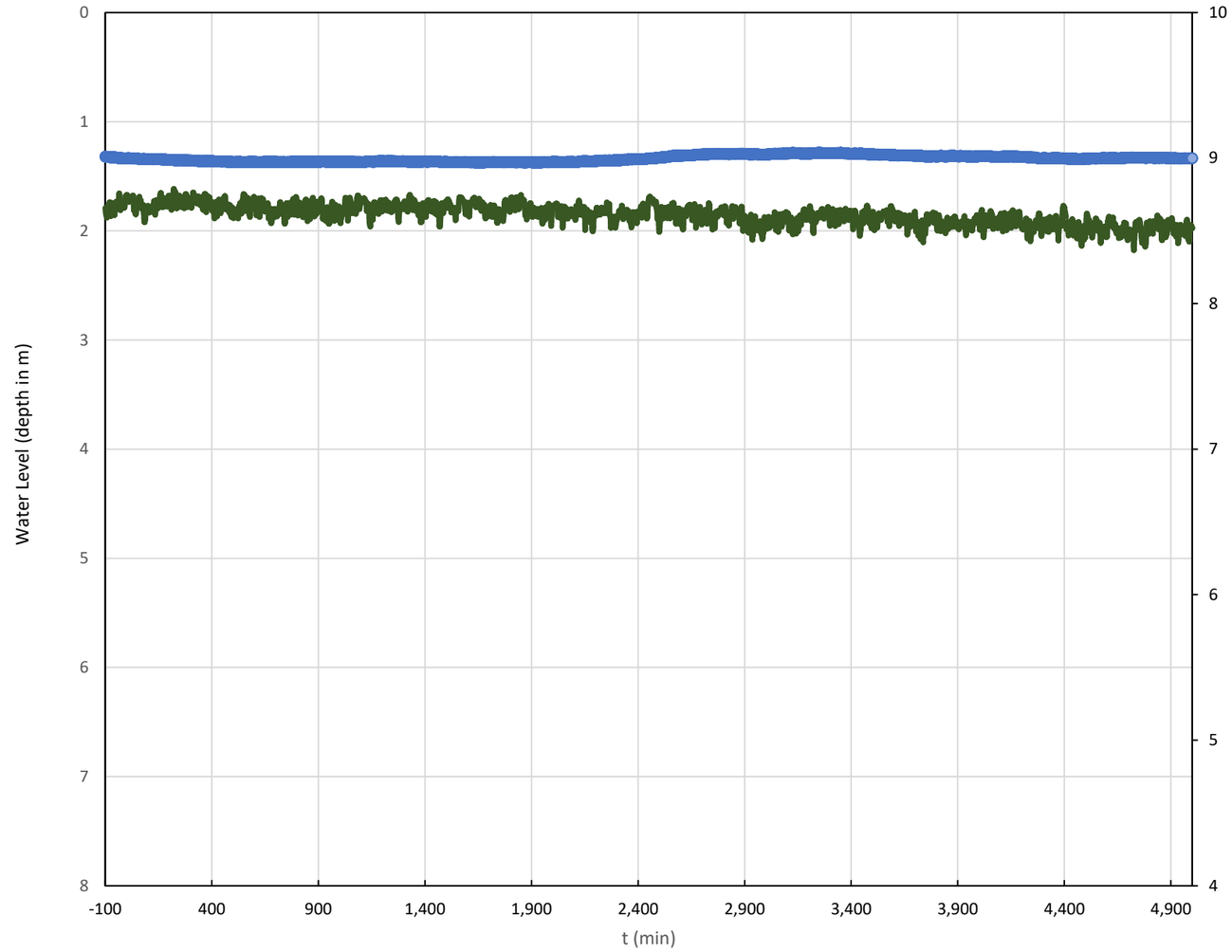
1) Quantity testing carried out on February 1 to 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

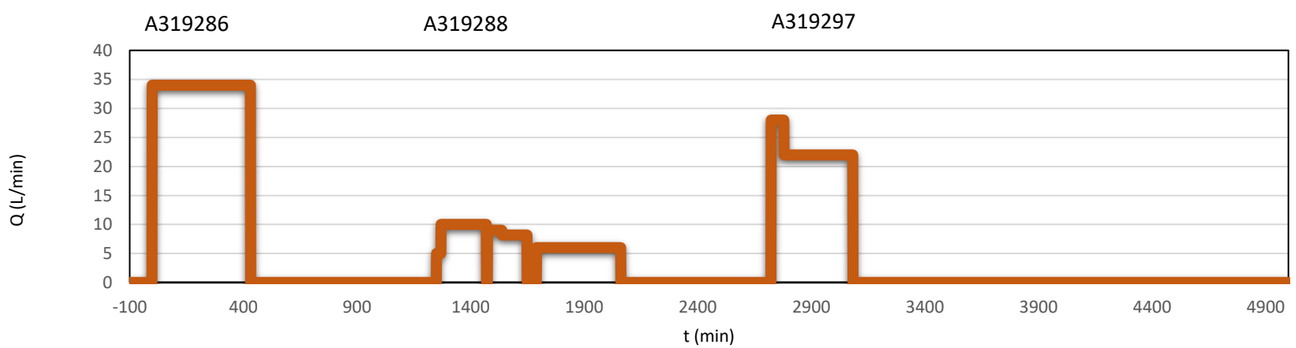
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 9:

WELL HYDROGRAPH – MONITORING WELL BH-4





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Quantity testing carried out on February 1 to 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

Test Well featured in hydrograph

Monitoring Well featured in hydrograph

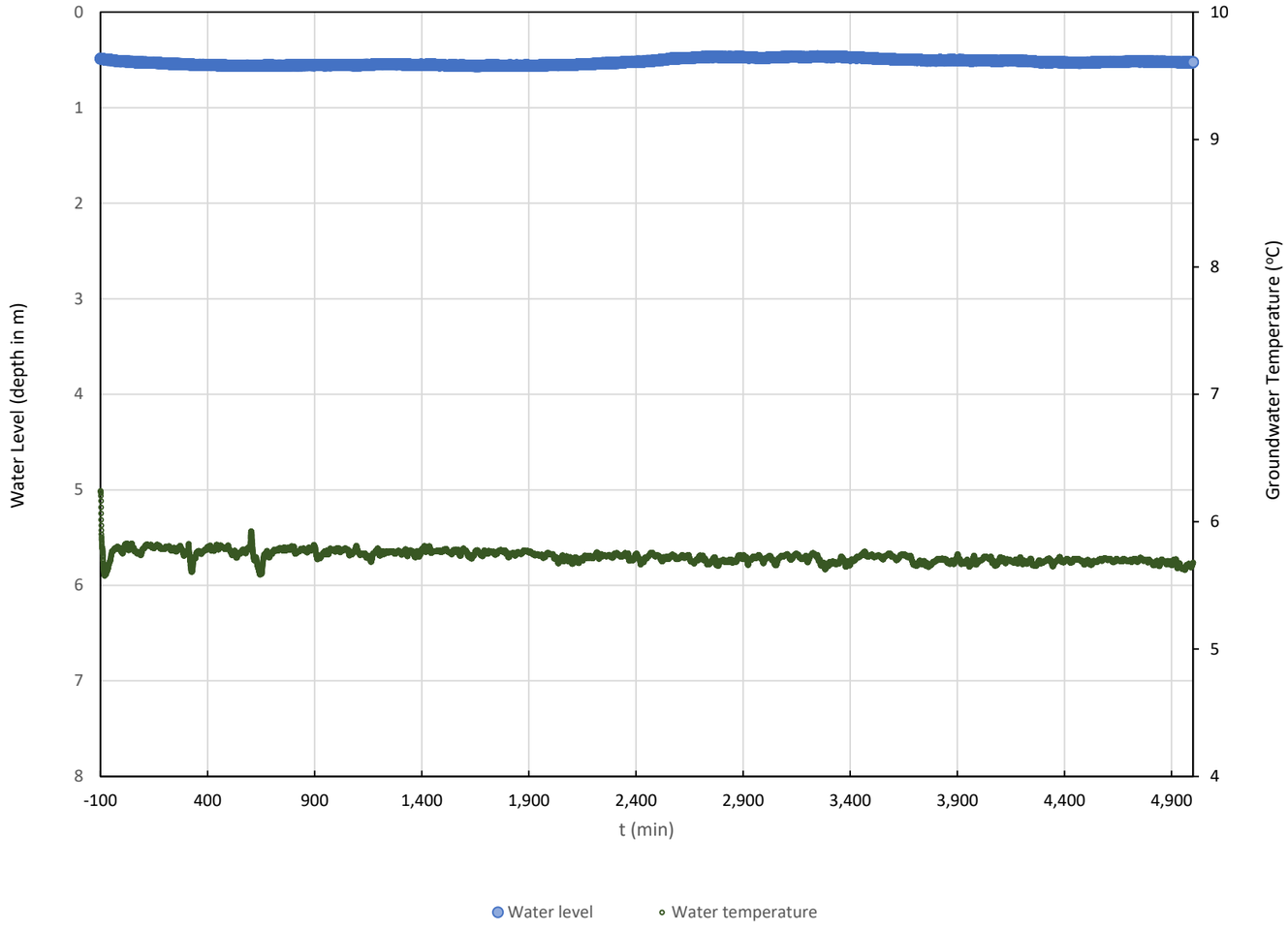
Test Well

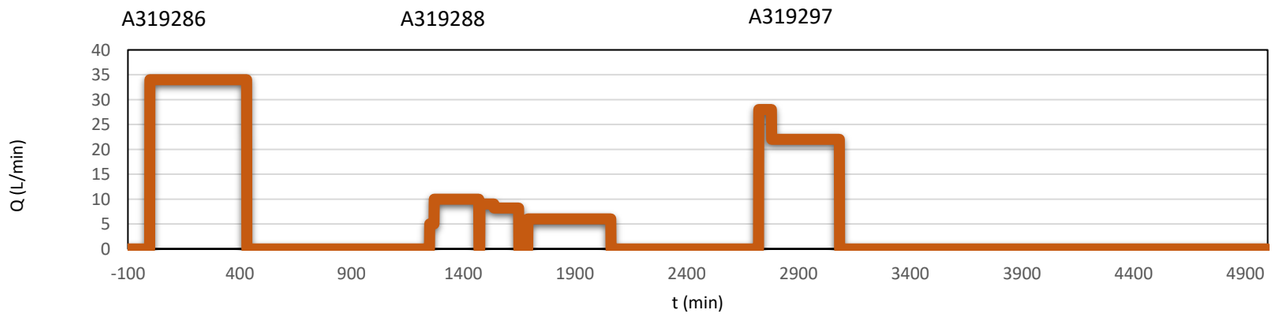
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 10:

WELL HYDROGRAPH – MONITORING WELL BH-7





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Quantity testing carried out on February 1 to 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

Test Well featured in hydrograph

Monitoring Well featured in hydrograph

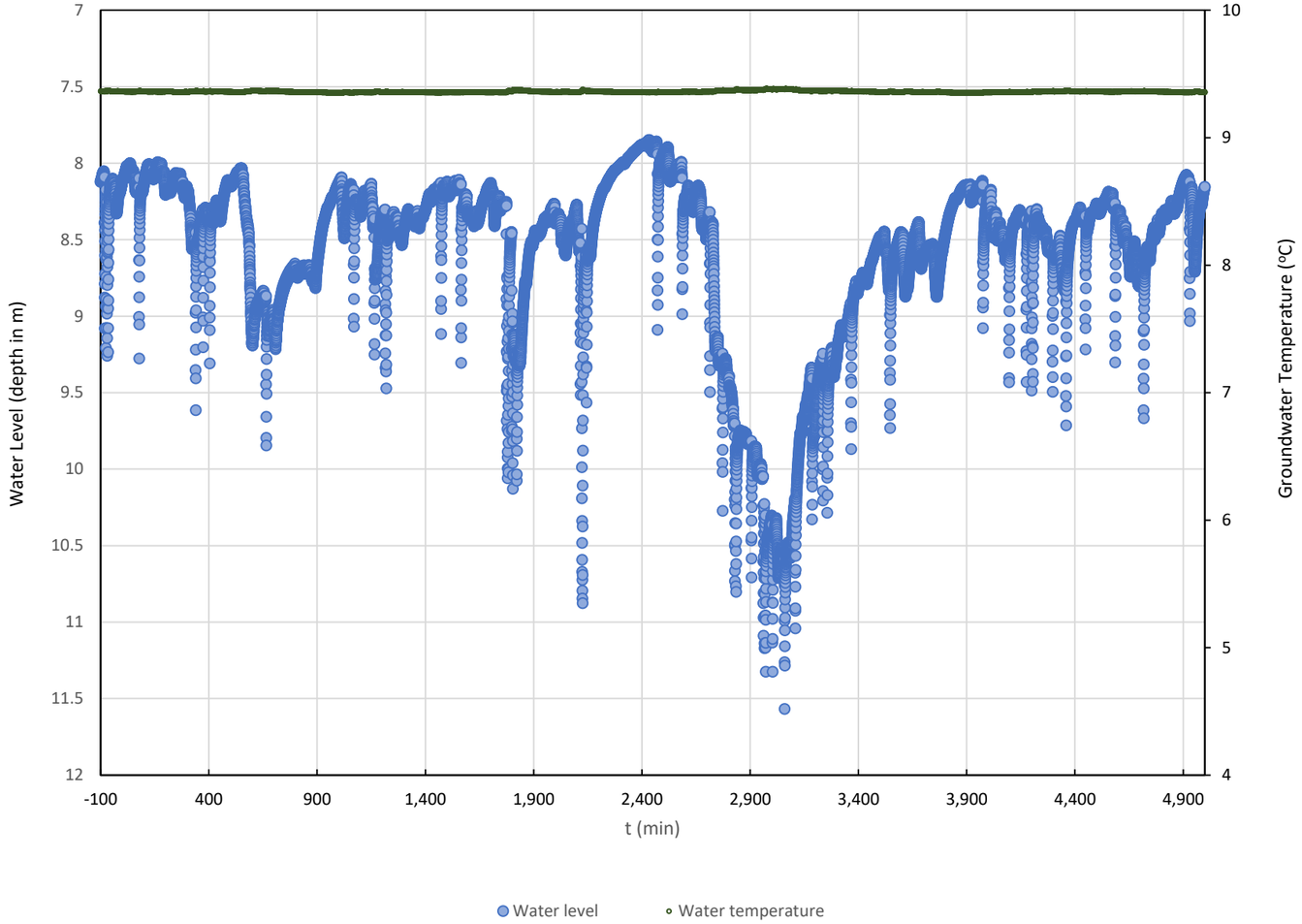
Test Well

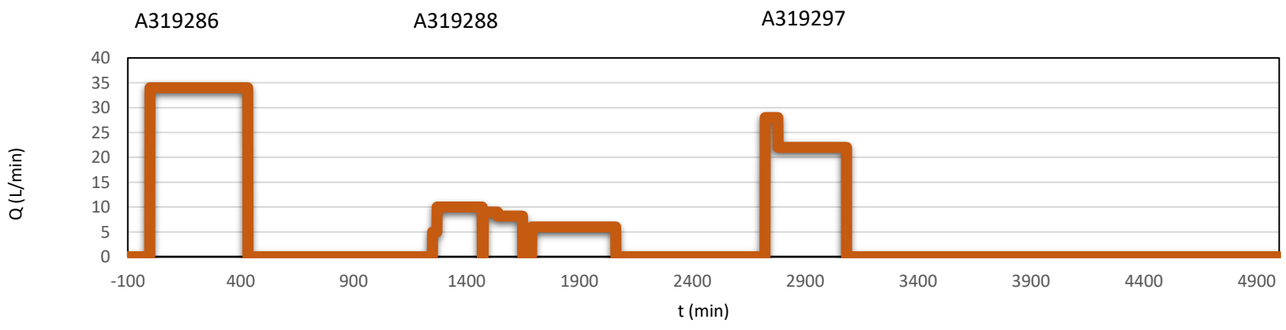
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 11:

WELL HYDROGRAPH – MONITORING WELL BH-10





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

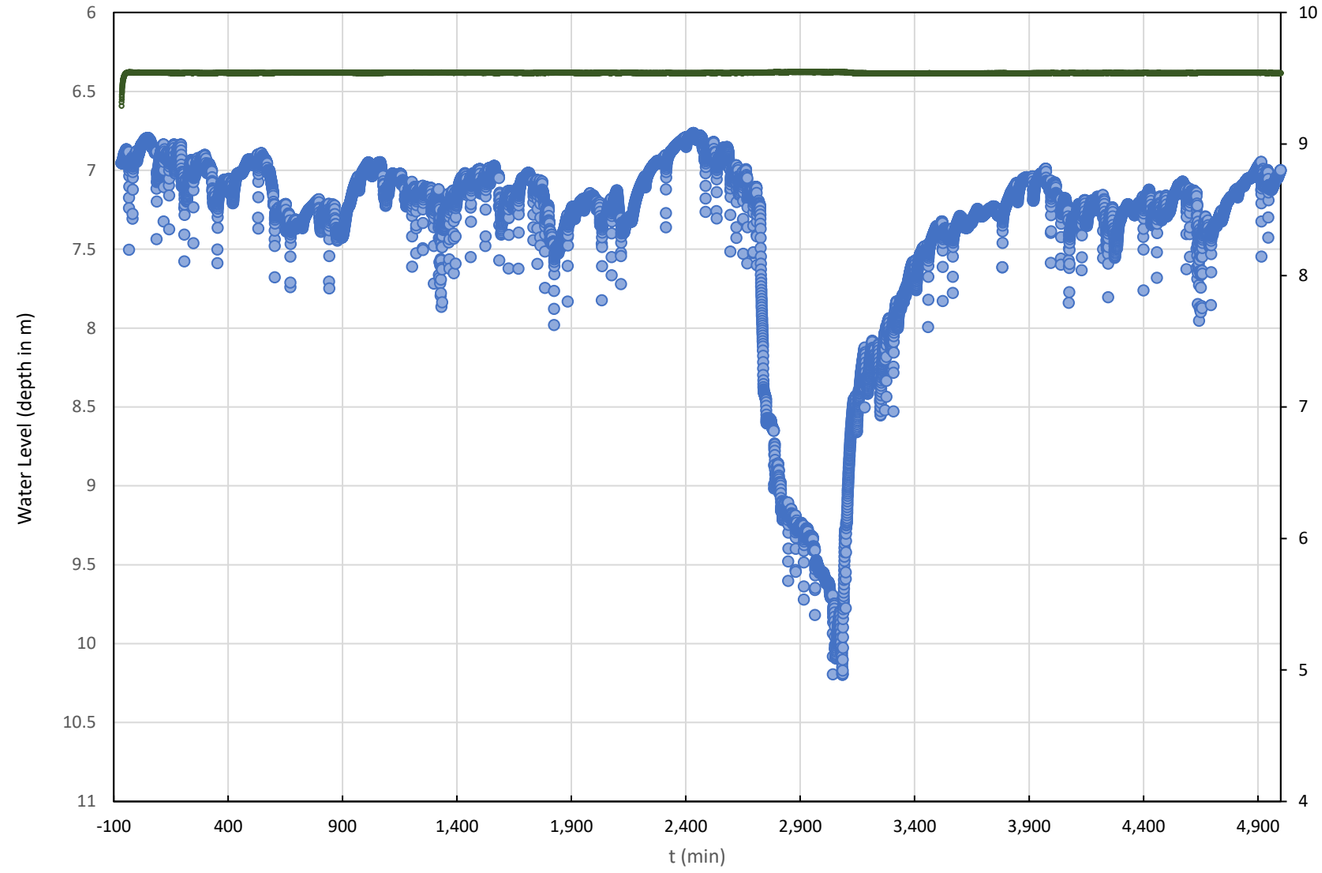
1) Quantity testing carried out on February 1 to 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

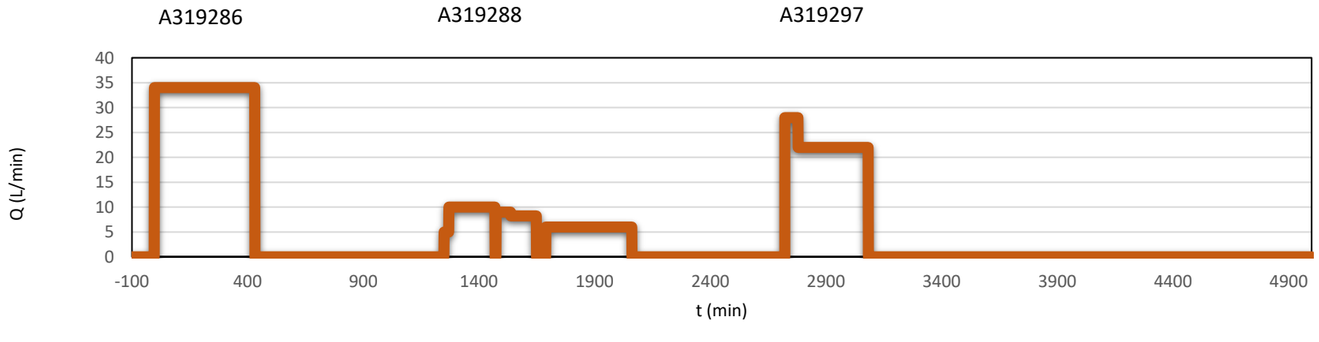
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 12:

WELL HYDROGRAPH – MONITORING WELL A032997
3988 FROST AVE





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

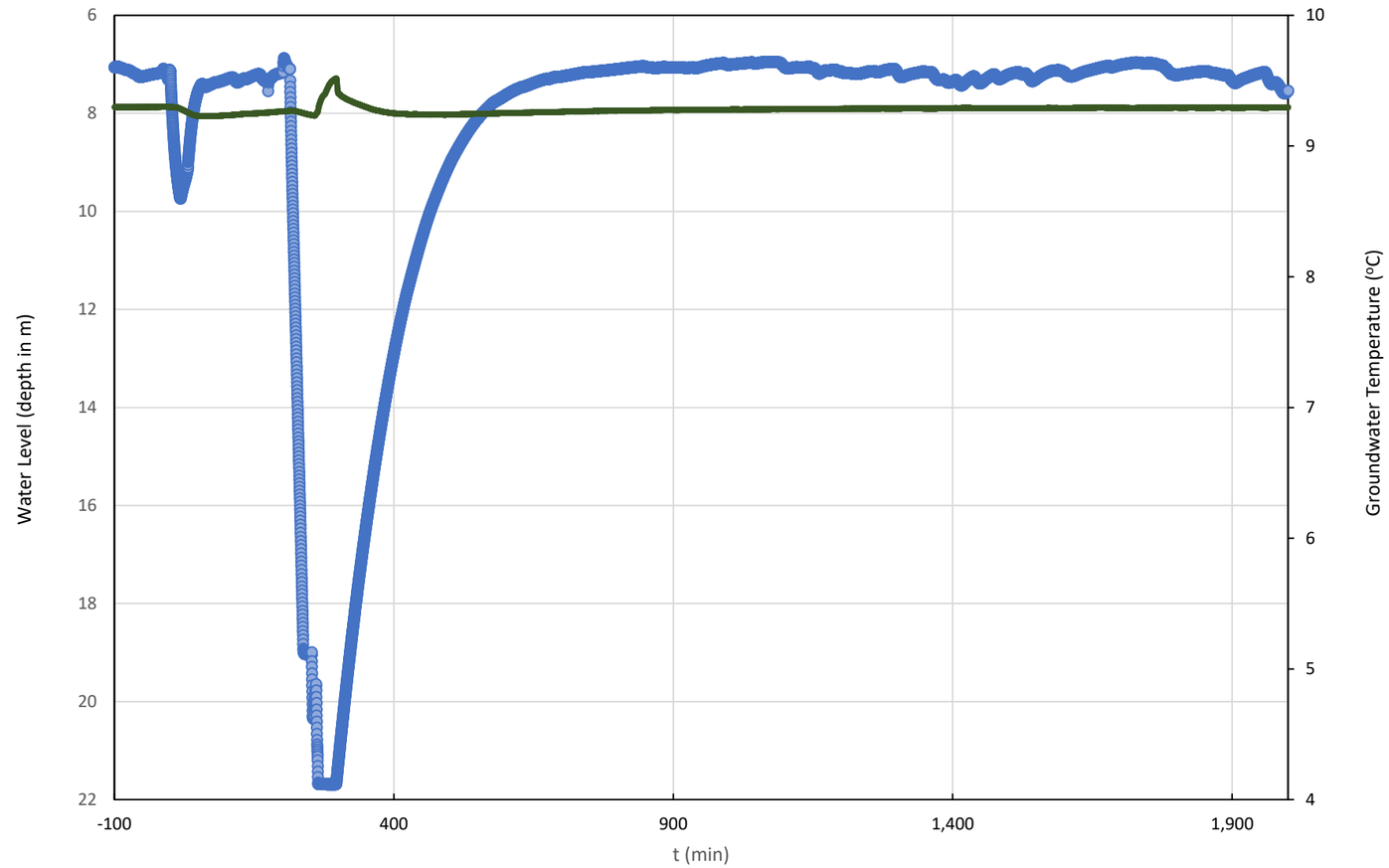
1) Quantity testing carried out on February 1 to 3, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

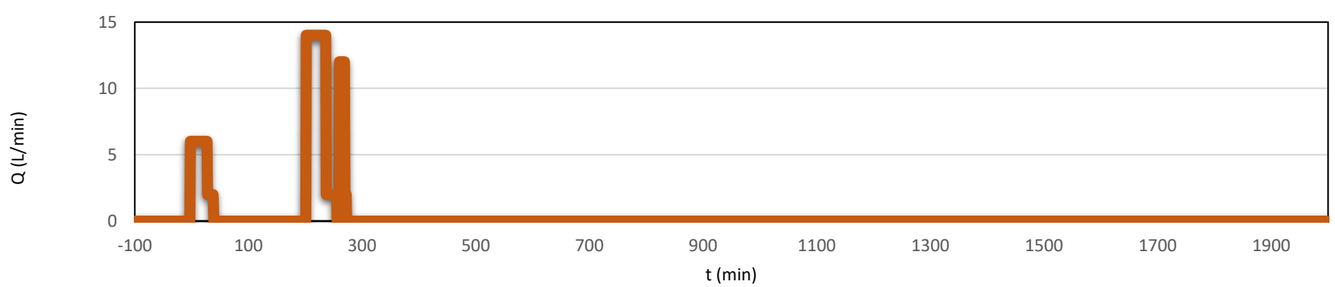
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 13:

WELL HYDROGRAPH – MONITORING WELL A147474
3964 GANARASKA ROAD





Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Quantity testing carried out on March 16, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

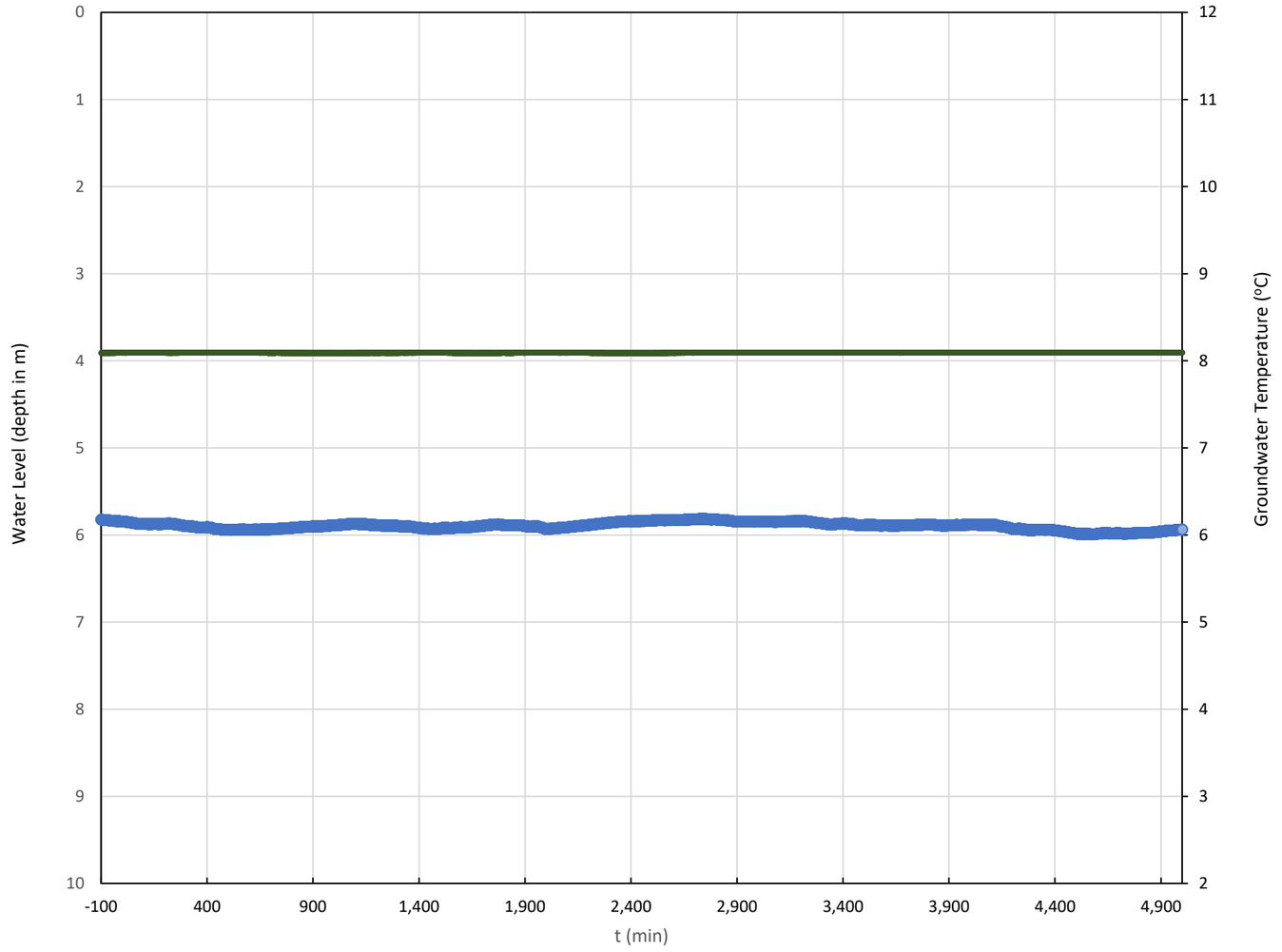
Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

N

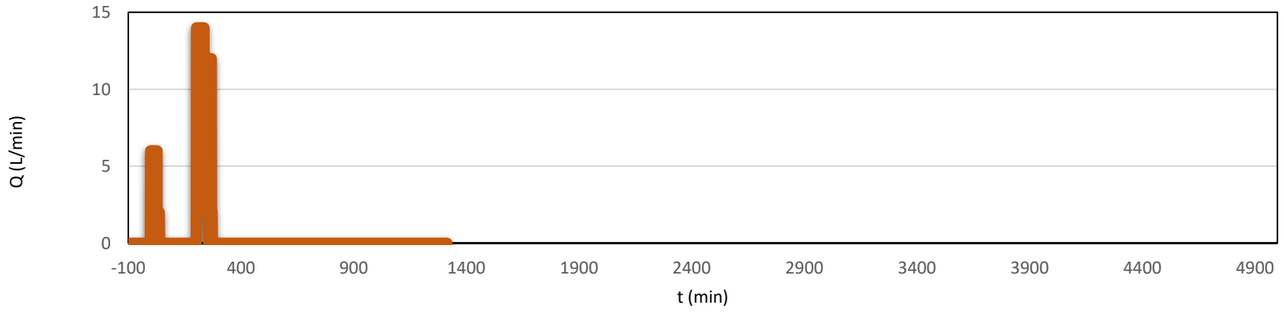
PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 14:

WELL HYDROGRAPH – TEST WELL A319287



Water level Water temperature



Scale as shown

GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Quantity testing carried out on March 16, 2022.
2) On-site pressure and temperature data collected using a Solinst Model 3001 datalogger transducer.
3) Water level data is not corrected for fluctuations in barometric pressure.

Test Well featured in hydrograph
Monitoring Well featured in hydrograph
Test Well
Monitoring Well

PROJECT 2138438:
PROPOSED RESIDENTIAL DEVELOPMENT – GARDEN HILL, ONTARIO

FIGURE 15:

WELL HYDROGRAPH – MONITORING WELL A319288

Appendix A

Geotechnical Memo

terraspec engineering inc.
geotechnical engineers and materials testing

973 Crawford Drive
Peterborough, Ontario **Phone: (705) 743-7880**
K9J 3X1 **Fax: (705) 743-9592**

May 6, 2021

The Greer Galloway Group Inc.
1620 Wallbridge Loyalist Road
Belleville, Ontario
K8N 4Z5

Re: Geotechnical Report for 3852 Ganaraska Road, Garden Hill
Project No. 21-3-8438

General Site Data
The project site is located at 3852 Ganaraska Road, in the village of Garden Hill, Ontario. Development of a new residential subdivision is contemplated for the site. A schematic site plan indicating the extent of the property has been appended to this report.

Investigation
A soils investigation was conducted for the property on April 27, 2021. Twelve exploratory boreholes were placed on site using a track-mounted drill rig. Soil laboratory testing consisted of moisture content determination and grain size analysis. The borehole logs and laboratory testing data have been appended to this report. The borehole locations have been indicated on the appended schematic site plan.

Soil Conditions
The site is located within a physiographic region identified as sand plains. The bedrock in this area is identified as limestone of the Trenton Group. The project location typically contains relatively deep depths of predominantly silty subsoils.
The typical soil layers encountered on site were as follows:

silty topsoil
silty sand
sandy silt
silt with sand
clay silt

The original ground elevations of the boreholes have been summarized as follows.

Borehole	Ground Elevation	Encountered Water Elevation
1	180.7209	177.7209
2	180.4504	179.2504
3	185.2678	183.7878
4	188.0006	186.5506
5	179.7574	178.1574
6	185.6409	184.2409
7	181.0259	179.5259
8	187.2381	----------
9	178.9998	176.8998
10	176.6654	174.5654
11	177.3232	----------
12	177.7219	174.0219

The project site is currently undeveloped and is used for growing crops such as corn.
There is a forested area on the north side of the property that contains short ridges, gullies, and creeks. It is possible that this area could be retained as a green space.
The topsoil depths were generally 200mm thick.
There was often perched water within the silty sand, sandy silt, and sand with silt subsoils, hence, these soils can readily become spongey when disturbed, even when recompacted.
The soil density was typically loose to compact. The underlying clay silt subsoils were typically in a moist and compact condition. The susceptibility to frost action for all subsoils was generally rated as high.

Bedrock was not encountered in any of the boreholes.

Groundwater was typically encountered at depths of 1.0 to 2.0m below surface.
Monitoring wells were installed at Boreholes 4, 7, and 10. The water levels were significantly higher when measured after the rainfall that occurred on April 29 and May 3.
The well construction consisted of 3m of 10slot screen with sand fill, and 1.5-3m of pipe casing, sealed at the top with bentonite fill, and fitted with a lockable steel monument cap. The well pipe material consisted of 50 mm diameter flush-threaded schedule 40 PVC pipe, with rubber O-ring seals to prevent leakage.

Permeability
The percolation rates of the subsoil types have been estimated as follows:

silty sand	T = 25 min/cm
sandy silt	T = 30 min/cm
silt with sand	T = 40 min/cm
clay silt	T = 50 min/cm

OHSA Soil Types
The subsoils present on site can be classified as Type 3 soils. The Type 3 soils will behave as Type 4 collapsing soils, even with small amounts of perched water seepage, or where the groundwater elevation is contacted. The subsoils should be treated as Type 4 soils for any construction work that will take place under these conditions.

Recommendations

Foundations
Recommendations for placement of shallow foundations for new buildings are as follows. Footings must be placed such that they will be a minimum 1.5m below the finished ground elevation, for frost protection. It is suggested that spread or strip footings may be placed onto the undisturbed subsoils, beginning at a typical depth of 1.2m below existing ground surface. The following natural soil bearing capacities will typically be available at the base of the new footings:

Silty sand, sandy silt, silt with sand, clay silt subsoils:
Factored ULS bearing capacity: 180 kPa
SLS allowable bearing capacity: 120 kPa

These capacities are based on standard settlement values of 25mm maximum total settlement, and 19mm maximum differential settlement.

Encountered soft areas can be removed by over-excavation where necessary, then back-filled and compacted using 3inch minus crushed rock material.

Subgrade Inspection
Once exposed during construction, it would be advisable to have all intended bearing surfaces examined by a geotechnical firm in order to ensure that the intended bearing surface area is consistent with the conditions encountered at the test hole locations, and that the bearing capacity will be sufficient for the proposed new buildings and structures.

Reinforcing Steel
Placement of longitudinal reinforcing steel within the footings is desirable for this site.

Dewatering – Low Volume
Excavations within the subsoils are not expected to require extensive dewatering. A continuous pumping operation with sump equipment is anticipated to be sufficient for routine dewatering, which is expected to displace less than 50,000 L/day.

Where more extensive dewatering is proposed, a permit should be obtained for construction dewatering works under the Ministry of the Environment, Conservation and Parks (MECP) Environmental Activity and Sector Registry (EASR), which applies for taking of groundwater and stormwater for construction dewatering purposes that total less than 400,000 L/day. This

approach would accommodate groundwater inflows from sand lenses which can be encountered in this area. An EASR will also provide the contractor with greater flexibility in managing groundwater seepage and stormwater flows since it replaces the need for an ECA for discharge under most circumstances.

Dewatering – General Requirements
Care should be taken to prevent ponding or inundation due to rain, and to control excess run-off that could cause erosion. The construction contract should stipulate that the integrity of all natural soil surfaces and soil bearing surfaces must be preserved at all times. Therefore, all excavations on site must be protected from high moisture levels due to rainfall or accumulating groundwater, using appropriate dewatering techniques.

Seismic Parameters
The following seismic design parameters may be utilized:

Foundation on natural subsoils:
Site Class D Soil Shear Wave Average Velocity (m/s) = 180 < Vs < 360

The peak ground acceleration value for the Garden Hill area, as given by the OBC, is 0.130.

Geotechnical Parameters
For calculating vertical and lateral earth pressures and other geotechnical parameters, the following unfactored coefficients may be utilized:

<u>Existing sandy silt, silt with sand</u>
internal friction angle = 30º
Ka = 0.33, Ko = 0.50, Kp = 3.00
Moist unit weight = 19.0 kN/m3
Coefficient of friction for the concrete/subsoil interface = 0.35

<u>typical imported sandy Granular B Type 1 backfill</u>
internal friction angle = 32º
Ka = 0.31, Ko = 0.47, Kp = 3.25
Moist unit weight = 22.3 kN/m3

<u>typical imported gravelly Granular B Type 1 backfill</u>
internal friction angle = 35º
Ka = 0.27, Ko = 0.43, Kp = 3.69
Moist unit weight = 23.0 kN/m3

Subdrains
Subdrain installations should consist of a perforated geotextile-wrapped pipe, placed at the footing depth along the outside perimeter of the footings. The subdrain pipe should have a minimum diameter of 150mm and must be graded to a positive outlet away from the foundation.

Backfill to the subdrain trenches should consist of OPSS 1004 Clear Stone. The type of back fill placed against the building over the subdrains should be a free-draining Granular B Type 1 material, placed full-depth to prevent the build-up of water pressure against the exterior walls of the building. Careful finished grading of the site should be applied to prevent the influx of storm water and surface runoff towards the foundation walls of the building.

Subdrains are required for below-grade building levels such as basements.
Individual assessments on a per lot basis will be required to determine acceptable basement floor elevations with respect to the varying water table, as well as perched water seepage above the water table.

Floor Slabs on Grade
The following minimum requirements are recommended for standard slab-on-grade floors:

Concrete Slab	127mm
OPSS 1010 Granular A or Clear Stone base	150mm
OPSS 1010 Granular B Type 1 subbase	200mm
Over compact native subgrade soil	

The subgrade soil surface to remain should undergo proof-rolling to ensure that it is acceptable for placement of the base and subbase materials. Remove all deleterious soil such as topsoil and organics, from beneath the new floor area. It is recommended that a concrete compressive strength of 20 to 25MPa be utilized for interior floor slabs.

Concrete
The frost penetration treatment depth for this site is 1.5m. Use CSA concrete classes C1 or C2, and F1 or F2, as appropriate to the various structure elements in the buildings.
Standard Type 10 concrete cement will be suitable for this project.

Pipe Installation
For new underground piping, utilize the following OPSD Standards for pipe installation:

For soil subgrade:

OPSD 802.010	Flexible Pipe	-	Type 3 Earth Excavation
OPSD 802.031	Rigid Pipe	-	Type 3 Earth Excavation, Class B

For bedrock subgrade:

OPSD 802.013	Flexible Pipe	-	Rock Excavation
OPSD 802.033	Rigid Pipe	-	Rock Excavation, Class B

Utilize the granular bedding and cover depths as specified in the applicable OPSD standards listed above. For normal subgrade conditions, OPSS Granular A may be utilized for pipe embedment and pipe cover material for new piping.

For wet subgrade conditions, a crushed rock or gravel should be utilized for pipe embedment and pipe cover material for new piping. A suitable material would be OPSS 1010 Granular B Type 2 with 100% passing the 50mm sieve, or clear stone such as OPSS 1004 19mm Clear Stone.

Frost protection for underground piping should be utilized as per the following OPSD standards, with a frost treatment depth of k = 1.5m:

OPSD 803.030	Frost Penetration Line Below Bedding Grade
OPSD 803.031	Frost Penetration Line Above Bedding Grade

Reuse of Subsoils

The natural subsoils found on site cannot be used as fill beneath structures. Any fill required beneath new structures must consist of an engineered granular fill. The minimum requirement for an engineered fill is OPSS 1010 Granular B Type 1, however, there are other options available, such as 3inch minus rock fill.

Any existing topsoil materials must be stripped from the site prior to placing new fill material. The silty subsoils on site are acceptable as general subgrade fill for the roadway and landscaping areas. Note in the contract there was typically perched water within all of the subsoil types, hence, these soils can readily become spongey when disturbed, even when recompacted. Great care is required to maintain these soils at the proper moisture content to obtain sufficient compaction.

Pavement Design

For the new roadways, remove all organic soil from the subgrade surface. Provide earth grading and cross fall as per OPSD 200.01 to prevent ponding of water on the soil subgrade, and to provide effective drainage of the new pavement structure.

Apply proof-rolling to the subgrade soil to ensure that it is acceptable for placement of the new granular subbase and base materials.

The following minimum pavement design as per OPSS 1150 specifications is recommended for placement of new pavement:

Pavement Structure

40mm	HL3 surface course
50mm	HL8 binder course
150mm	OPSS 1010 Granular A base
400mm	OPSS 1010 Granular B Type 1 subbase

Over compact native subgrade soil or approved fill

It will also be acceptable to substitute SuperPave hot mix as per OPSS 1151, such as SP12.5 over SP19.0.

The asphalt cement should have a minimum rating of PGAC 58 -34.
Tack-coat the hot mix substrate, as per OPSS.PROV 308, prior to placing the surface course lift of hot mix. Stipulate in the contract that all hot mix paving operations shall be carried out in accordance with OPSS 310 specifications.

Compaction Requirements
All natural soil and all granular fill compaction requirements for the project should conform with OPSS 501, Subsection 501.08.02 - Method A, utilizing soil placement in maximum 300mm lifts and a compaction standard of 100% of Standard Proctor Maximum Dry Density.

Statement of Limitations
This report is intended for the guidance of the project design team. From a construction standpoint, contractors must make their own assessment of the soil and groundwater conditions and how these will affect their proposed construction techniques and schedules.

The recommendations in this report are based on information determined at the test hole locations. Soils and groundwater conditions between and beyond the test holes may differ from those encountered at the test hole locations and conditions may become apparent during construction that could not be detected or anticipated at the time of the soils investigation. If this occurs, we recommend that Terraspec be retained for further consultation, testing, and analysis.

We also recommend that Terraspec be retained to ensure that all subgrade preparation requirements are met, and to confirm that the soil conditions do not deviate materially from those encountered in test holes. In the case that unforseen conditions arise, or our recommendations are not followed, the company's responsibility is limited to interpreting the information from the test hole data collected for this report.

This report is applicable only to this specific project, constructed substantially in accordance with details of alignment and elevations quoted in the text. Where rock excavation is proposed, a contingency cost item should be included in the contract to allow for any unforeseen subgrade conditions. Elevations quoted in the document are approximate. Original ground elevations for project design purposes should be obtained from an experienced topographical survey consultant.

~ ~ ~

TERRASPEC ENGINEERING INC.
GEOTECHNICAL ENGINEERS

Shane Galloway, B.A.
Manager

N.A. MacKinnon, P.Eng.
Senior Engineer

Borehole Data
April 27, 2021

Notes
1. Soil types, strata, and groundwater conditions have been established only at test hole locations.
2. Soils are described according to the MTO Soils Classification System and OPSD 100.06.
3. Dimensions are in millimetres up to 1 metre, then in metres thereafter.

Abbreviations

asph	-	asphalt	&	-	and
blds	-	boulders	w	-	with
blk	-	black	so	-	some
br	-	brown	tr	-	trace
BR	-	bedrock			
cl	-	clay(ey)	S	-	soil sample
cob	-	cobbles	Su	-	vane shear strength (kPa)
conc	-	concrete	N	-	blow counts per 0.3m
cr	-	crushed			
f	-	fine			
gr	-	gravel(ly)			
gry	-	grey			
med	-	medium			
NFP	-	no further progress			
org	-	organics			
RF	-	rock fill			
sa	-	sand(y)			
si	-	silt(y)			
tps	-	topsoil			

1

0	-	150	br si tps	
150	-	2.11	br sa si -moist, compact	S1 at 1.2m
2.11	-	4.27	br sa si -moist, compact	
at 1.5m		N=13		
-wet at 2.13m				
at 3.0m		N=11		
at 4.0m		N=15		
at 5.8m		N=20		
4.27	-	6.25	gry cl si -wet, compact	S2 at 5.79m
-water at 3.0m				

2

0	-	300	br si tps	
300	-	2.60	br sa si -moist, loose	S9 at 0.75m
at 1.5m		N=7		
2.60	-	5.0	gry/br sa si -wet, compact	
-water at 1.2m				

3

0	-	200	br si tps	
200	-	3.35	br si sa -wet, loose to compact	
at 1.5m		N=13		
3.35	-	5.0	gry/br si w sa -wet, compact	S8 at 3.35m

-water at 1.48m

4

0	-	120	br si tps	
120	-	1.51	br si sa -moist, loose to compact	
1.51	-	4.70	br sa si -wet, compact	
at 1.5m		N=10		
at 3.0m		N=13		
4.70	-	6.25	gry sa si -saturated, compact	

-water at 1.45m
Monitoring Well installed A303844
5m deep, stickup=1.3m, water at 1.34m Apr29, 2021

5

0	-	150	br si tps	
150	-	2.11	br si sa -moist to wet, compact	
at 1.5m		N=9		
2.11	-	5.0	gry sa si -wet, compact	

-water at 1.6m

6

0	-	160	br si tps	
160	-	3.30	br si sa -moist, compact	
at 1.0m		N=9		

-dense after 1.7m

3.30	-	5.0	gry/br sa si -wet, compact to dense	

-water at 1.4m

7

0	-	200	br si tps	
200	-	1.55	br si sa -moist, loose to compact	
1.55	-	6.25	gry si w sa -wet, compact	S3 at 3m
at 3.0m		N=11		

-water at 1.5m
Monitoring Well installed A303823
5m deep, stickup=1.07m, water at 0.67m Apr29, 2021

8

0	-	180	br si tps	
180	-	3.66	br si sa -dry, compact	S7 at 0.6m

-cob at 1.5m
-dense after 1.5m

3.66		NFP, dense si sa so cob

-water not encountered

9

0	-	250	br si tps	
250	-	1.45	br si sa -moist, compact	
1.45	-	2.70	br sa si -moist to wet, compact	S6 at 2.7m

-cob at 1.37m

at 1.5m	N=21	
2.70 -	5.0	gry sa si -wet, compact

-water at 2.1m

10

0	-	100	br si tps	
100	-	1.40	br si sa -moist to wet, compact	
1.40	-	2.80	br sa si -wet, compact	
at 2m		N=8		
2.80	-	6.25	gry si w sa -saturated, compact	S4 at 3m
at 3m		N=10	Su=90kPa	

-stiff after 3.66m
-water at 2.1m

Monitoring Well installed	A303822
6.1m deep, stickup=1.1m, water at 0.4m	Apr29, 2021

11

0	-	200	br si tps	
200	-	1.50	br sa si -moist, compact to dense	
1.50	-	4.88	br sa cl si -moist, compact to dense	S5 at 1.8m

-dense after 2.7m
-water not encountered

12

0	-	200	br si tps	
200	-	600	br si sa -moist, compact	
600	-	1.80	br sa si -moist, compact	
at 0.75m		Su=80kPa		
1.80	-	3.70	gry sa si -moist, compact	
3.70	-	4.7	gry cl si -wet, compact	S10 at 4m
at 3.7m		Su=100kPa		
-water at 3.7m				

Laboratory Test Data

Soil Sample	**1**	**2**	**3**	**4**	
Sieve	**% Passing**				
4.75mm	100	100	100	100	grain size
2.36mm	100	100	100	100	
1.18mm	99.9	100	99.9	99.9	
600um	99.5	99.9	99.8	99.8	
300um	94.6	99.2	99.1	99.3	
150um	83.8	95.2	93.5	96.3	
75um	64.8	84.0	74.2	89.9	
ASTM	ML	CL-ML	ML	ML	soil classification
frost rating	High	High	High	High	susceptibility to frost heave
W	10.9	28.7	25.8	25.9	field moisture content

Soil Sample	**5**	**6**	**7**	**8**	
Sieve	**% Passing**				
4.75mm	100	100	100	100	grain size
2.36mm	99.8	99.9	100	100	
1.18mm	99.5	99.7	100	100	
600um	99.3	99.5	99.7	99.8	
300um	98.3	97.2	98.5	99.5	
150um	88.4	81.5	85.3	95.2	
75um	65.6	53.9	47.4	82.0	
ASTM	CL-ML	ML	SM	ML	soil classification
frost rating	High	Med	Med	High	susceptibility to frost heave
W	20.0	21.3	13.2	30.9	field moisture content

Soil Sample	**9**	
Sieve	**% Passing**	
4.75mm	100	grain size
2.36mm	100	
1.18mm	99.8	
600um	99.4	
300um	97.7	
150um	88.3	
75um	66.0	
ASTM	ML	soil classification
frost rating	High	susceptibility to frost heave
W	21.8	field moisture content

Soil Sample	**10**	
Sieve	**% Passing**	
4.75mm	100	grain size
2.00mm	100	
850um	99.8	
425um	99.8	
250um	99.8	
106um	99.8	
75um	99.6	
%gravel	0.0	
%sand	0.4	
%silt	57.4	
%clay	42.2	
ASTM	CL-ML	soil classification
frost rating	High	susceptibility to frost heave
W	25.1	field moisture content
LL	22.0	Liquid Limit
PL	16.0	Plastic Limit
PI	6.0	Plastic Index

BOREHOLE 1

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	1	Description	sample
		Elev 180.7209	
0.0		0 - 150 br si tps	
		150 - 2.11 br sa si -moist, compact	
1.0		at 1.5m N=13	1
2.0		2.11 - 4.27 br sa si -moist, compact -wet at 2.13m	
3.0		at 3.0m N=11	
4.0		at 4.0m N=15	
		4.27 - 6.25 gry cl si -wet, compact	
5.0			
6.0		at 5.8m N=20	2

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 2

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	2	Description	sample
		Elev 180.4504	
0.0		0 - 300 br si tps	
		300 - 2.60 br sa si -moist, loose	9
1.0		▼ at 1.5m N=7	
2.0			
3.0		2.60 - 5.0 gry/br sa si -wet, compact	
4.0			
5.0			
6.0			

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 3

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	3	Description	sample
		Elev 185.2678	
0.0		0 - 200 br si tps	
		200 - 3.35 br si sa -wet, loose to compact	
1.0			
		▼ at 1.5m N=13	
2.0			
3.0			
		3.35 - 5.0 gry/br si w sa -wet, compact	8
4.0			
5.0			
6.0			

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 4

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	4	Description	sample
		Elev 188.0006	
0.0		0 - 120 br si tps	
		120 - 1.51 br si sa -moist, loose to compact	
1.0			
		at 1.5m N=10	
		1.51 - 4.70 br sa si -wet, compact	
2.0			
3.0		at 3.0m N=13	
4.0			
		4.70 - 6.25 gry sa si -saturated, compact	
5.0			
6.0		Monitoring Well installed A303844 5m deep, stickup=1.3m, water at 1.34m Apr29, 2021	

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 5

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	5	Description	sample
		Elev 179.7574	
0.0		0 - 150 br si tps	
		150 - 2.11 br si sa -moist to wet, compact	
1.0			
		at 1.5m N=9	
2.0			
		2.11 - 5.0 gry sa si -wet, compact	
3.0			
4.0			
5.0			
6.0			

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 6

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	6	Description	sample
		Elev 185.6409	
0.0		0 - 160 br si tps	
		160 - 3.30 br si sa -moist, compact	
1.0		at 1.0m N=9	
		-dense after 1.7m	
2.0			
3.0			
		3.30 - 5.0 gry/br sa si -wet, compact to dense	
4.0			
5.0			
6.0			

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 7

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	7	Description	sample
		Elev 181.0259	
0.0		0 - 200 br si tps	
		200 - 1.55 br si sa -moist, loose to compact	
1.0			
		1.55 - 6.25 gry si w sa -wet, compact	
2.0			
3.0		at 3.0m N=11	3
4.0			
5.0			
6.0		Monitoring Well installed A303823 5m deep, stickup=1.07m, water at 0.67m Apr29, 2021	

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 8

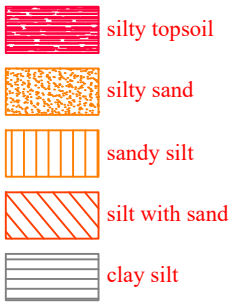
PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	8	Description	sample
0.0		Elev 187.2381	
		0 - 180 br si tps	
		180 - 3.66 br si sa -dry, compact	7
1.0		-cob at 1.5m -dense after 1.5m	
2.0			
3.0			
		3.66 NFP, dense si sa so cob	
4.0			
5.0			
6.0		-water not encountered	

LEGEND



Terraspec

BOREHOLE 9

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	9	Description	sample
		Elev 178.9998	
0.0		0 - 250 br si tps	
		250 - 1.45 br si sa -moist, compact	
1.0		-cob at 1.37m	
		1.45 - 2.70 br sa si -moist to wet, compact at 1.5m N=21	
2.0			
			6
3.0		2.70 - 5.0 gry sa si -wet, compact	
4.0			
5.0			
6.0			

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

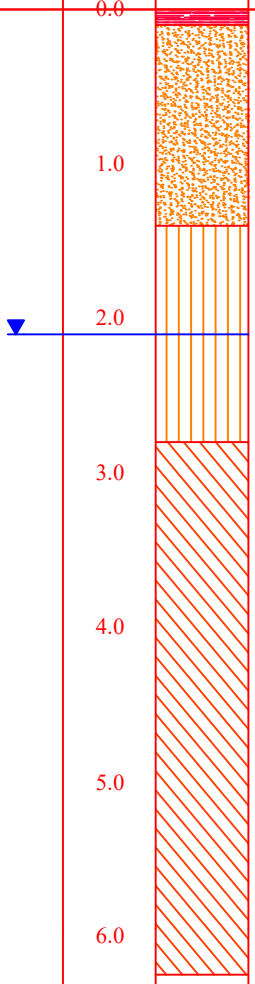
Terraspec

BOREHOLE 10

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation



10

Elev 176.6654

				sample
0	-	100	br si tps	
100	-	1.40	br si sa -moist to wet, compact	
1.40	-	2.80	br sa si -wet, compact	
at 2m		N=8		
2.80	-	6.25	gry si w sa -saturated, compact	4
at 3m		N=10	Su=90kPa	

-stiff after 3.66m

Monitoring Well installed A303822
6.1m deep, stickup=1.1m, water at 0.4m Apr29, 2021

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

BOREHOLE 11

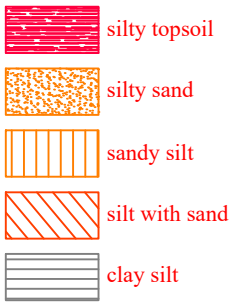
PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	11	Description	sample
0.0		Elev 177.3232 0 - 200 br si tps 200 - 1.50 br sa si -moist, compact to dense	
1.0			
2.0		1.50 - 4.88 br sa cl si -moist, compact to dense	5
3.0		-dense after 2.7m	
4.0			
5.0			
6.0		-water not encountered	

LEGEND



Terraspec

BOREHOLE 12

PROJECT No.: 21-3-8438
CLIENT: GGG Inc.
PROJECT: 3852 Ganaraska Road
DATE: April 27, 2021

SOIL DATA
METHOD: 130mm Solid Stem Auger

▼ encountered water elevation

DEPTH (m)	12	Description	sample
		Elev 177.7219	
0.0		0 - 200 br si tps	
		200 - 600 br si sa -moist, compact	
1.0		600 - 1.80 br sa si -moist, compact at 0.75m Su=80kPa	
2.0		1.80 - 3.70 gry sa si -moist, compact	
3.0			
4.0		3.70 - 4.7 gry cl si -wet, compact at 3.7m Su=100kPa	10
5.0			
6.0			

LEGEND

- silty topsoil
- silty sand
- sandy silt
- silt with sand
- clay silt

Terraspec

THE GREER GALLOWAY GROUP INC.
ENGINEERS & PLANNERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH RELEVANT CODES AND GUIDELINES.
2. ALL DRAWINGS AND ADDENDA ARE TO BE READ AS, AND IN CONJUNCTION WITH THE SPECIFICATIONS.
3. ALL EQUIPMENT SHALL BE INSTALLED AS SPECIFIED OR APPROVED EQUIVALENT.
4. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK AND BE RESPONSIBLE FOR SAME.
5. CONTRACTOR MUST REPORT ANY DISCREPANCIES TO ENGINEER FOR RESOLUTION BEFORE COMMENCING THE WORK.
6. ANY CHANGES MUST BE APPROVED BY THE ENGINEER.

A / B — A DETAIL NO. / B DRAWING NO. – WHERE DETAILED

LEGEND

NORTH

STAMP

PROJECT
GARDEN HILL
SUBDIVISION
GARDEN HILL, ONTARIO

DRAWING TITLE
SITE PLAN
BORE HOLE LOCTAIONS

REVISION		DATE
05		
04		
03		
02		
01		

DESIGNED BY

DRAWN BY
TL

REVIEWED BY

APPROVED BY

PROJECT DATE
06/05/2021
(DD/MM/YYYY)

PROJECT #
21-3-8438

SCALE
HOR: 1:200
VER: N/A

DRAWING #
SP-1

(METRIC SCALE – ALL DIMS IN MILLIMETERS)

CAD OPERATOR:Taylor
CAD FILE: P:\Belleville Project\8000\21-3-8438 – Mysyk Cobourg Prop\Drawings\Working\Bore Hole Map.dwg
PLOT SCALE: 1:2
DATE PLOTTED: 2021-04-22
GGC-A1

Looking North

Photo of Subgrade Soils

Appendix B

Test Well Drillers Records

Well Record - Regulation 903

Ontario Water Resources Act

General Instructions and Explanations for completing a Well Record

A completed electronic Well Record Form must be delivered to the well purchaser and the owner of the land on which the well is situated within 14 days after the date on which the well's structural stage is complete. The electronic Well Record must also be forwarded within 30 days after the date on which the well's structural stage is complete to the ministry through email to the following email address: WellRecordSubmission@ontario.ca

False and Misleading Information

Subsection 98(2) of the *Ontario Water Resources Act*, R.S.O. 1990 c. O. 40, states that:

“No person shall orally, in writing or electronically, give or submit false or misleading information in any statement, document or data, to any provincial officer, the Minister, the Ministry or the Agency, any employee in or agent of the Ministry or the Agency, or any person involved in carrying out a program of the Ministry or the Agency in respect of any matter related to this Act or the regulations.”

Further, subsection 98(3) of the Act states that:

“No person shall include false or misleading information in any document or data required to be created, stored or submitted under this Act.”

Measurements

All measurements must be recorded in the specified unit, metric or imperial by checking off the applicable box on the top of the form. You must use the checked unit consistently throughout the well record. Measurements must be reported to 1/10th of a metre if the unit is a metre. All measurements of depth must be referenced to ground surface.

Well Owner’s Information

A “well owner” means the owner of land upon which a well is situated and includes a tenant or lessee of the land and a well purchaser. If the “well owner” is an individual, record the owner’s last name and first name or if the “well owner” is a business, government or other organization, record the name in the “organization” area.

Well Location

Street Number/Name and City/town/Village must be provided, if available.

Geographic Township, Concession and Lot must be reported if the well is located in an area where such information exists.

UTM Coordinates must be recorded each time a Well Record is completed. Click the button [Test UTM in Map] to use the UTM Coordinates to plot the location to Google map. This allows verification of the UTM Coordinates. This will also automatically populate the County/District.

Municipal Plan and Sublet Number may be provided, if available.

Overburden and Bedrock Materials

For each formation encountered during construction, choose words from the lists that best describe the formation on the basis of general colour, most common material, other materials, and general description of the formation.

General Colours are White, Yellow, Grey, Brown, Blue, Red, Green and Black.

Examples of Materials are: Fill, Silt, Top Soil, Coarse Sand, Slate, Muck, Gravel, Limestone, Dolomite, Quartzite, Peat, Stones, Fine Sand, Shale, Granite, Clay, Boulders, Medium Sand, Sandstone, and Greenstone.

Some definitions are as follows:

- Clay: Composed of very fine particles. Forms dense hard lumps or clods when dry and a very elastic putty-like mass when wet. It can be rolled between fingers to form a long, flexible ribbon.
- Silt: Grain size, midway between sand and clay. It may form clods which, when broken, feel soft and floury. When moist, it will form a cast that can be handled freely without breaking. Rolled between thumb and finger, it will not "ribbon" but will give a broken appearance.

- Sand: Grains are loose and granular and may be seen and felt readily. Squeezed in the hand when dry, it falls apart when the pressure is released. Squeezed when moist, it will form a cast that will crumble when touched. Should be listed as fine sand, medium sand or coarse sand.
- Gravel: Rock fragments greater than 0.3 cm in diameter.

Examples of General Descriptions are Loose, Cemented, Previously Dug or Bored, Porous, Layered, Previously Drilled, Dense, Soft, Wood Fragments, Packed, Hard.

Abandonment

To report abandonment of a well, check off the applicable box in Type on the top of the form. Details of abandonment must be recorded in the Abandonment and Sealing Section. Additional comments may be entered in the comments box under the Information section.

Annular Space

Record all material placed in the annular space around the single casing or around the permanent outer casing. If the well is a telescoped well [i.e., a well with an outer casing and inner casing(s)] or if the well is a multi-level nested test hole, report the depth from, depth to, material and volume placed for the annular space between two different sized casings or between the inner casing(s) and the side of the well in the “Comments” area of this electronic well record form.

Method of Construction

If the equipment used to construct the well is not on the list, check “Other (specify)” and record the type of equipment, check each equipment that applies.

Well Use

If the well’s use is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple uses, check each use that applies.

Status of Well

If the well’s status is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple statuses, check each use that applies.

Construction Record – Casing and Open Hole

Use negative values to report the top of casing above ground surface. For example, if the top of the casing is 0.4 metres above the ground surface and the bottom of the casing 6.0 metres below the ground surface, record the casing “Depth From” as -0.4.

If the top of casing is located below the ground surface (e.g., if a test hole is constructed and the top of casing is located below the ground surface in a flush mounted well vault), report the top of the casing from below ground surface. For example, if the top of the casing is 0.1 metres below the ground surface and the bottom of the casing is 6 metres below the ground surface, record the casing “Depth From” as 0.1.

Note: If a drive shoe is used, the shoe is considered casing and it must be reported if the shoe has a different inside diameter thickness.

If a portion of the well was created an open hole, record the location of the open hole on a separate row, including the diameter and the depth (top and bottom of open hole) from the ground surface.

Construction Record – Well Screen

A “well screen” means perforated pipe or tubing, unsealed concrete tiles or other material installed in a well to filter out particulate matter and form the water intake zone. Therefore, the length of a well screen includes any slotted or perforated area and unsealed area of pipe or tiles.

Water Details

- if groundwater was located, record the depth from the ground surface to the location of the groundwater resource, and
- record if the groundwater quality is “Untested,” “Fresh” (i.e., not salty), or “Other (specify).” If “Other (specify)” is recorded, use the “Other (specify)” dropdown list toselect the type of groundwater (e.g., salty, blackish water, yellowish water, mineralized, etc.).

Check off “Gas” if natural gas was encountered during well construction.

Note: Natural gas encounters need to be immediately reported to the ministry at 1-800-268-6060, well purchaser and the owner of the land.

Results of Well Yield Testing

Check off “Pumping Discontinued” if pumping was discontinued before 1 hour of continuous pumping. Explain the reason why pumping was discontinued or in some cases not performed (e.g., the well went dry, impossible to install pump in small diameter well, static water level from test hole or dewatering well was obtained and is reported instead of completing a yield test etc.).

Note: Equipment breakdown is not an acceptable reason for checking off “Pumping Discontinued” on the well record form. If groundwater in the well is flowing out of the well, provide the rate of flow, and check off “Flowing Well” (i.e., static water level above the ground surface).

In the “Results of Well Yield Testing” section of the well record form, record:

- the depth to the intake of the pump,
- the rate of pumping and duration of pumping period during the yield test,
- the final water level when pumping stops,
- water level measurements made during pumping (drawdown) and recovery. All water level measurements must be referenced from below the ground surface for each time interval specified in the drawdown and recovery boxes.

If the water level measurements remain the same over a period of time, continue to measure and report the same water level measurement for the remaining pumping or recovery time intervals.

If pumping continuously for at least 1 hour, but the design of the well does not allow for water level measurements (e.g., driven point well), the person constructing the well is not required to report drawdown or recovery water level measurements.

Map of Well Location

In the “Map of Well Location” section of the well record form, click the map area to attach a map of the well location. The map must show sufficient information to locate the well, including:

- a mark on the map showing the well,
- a scale on the map, and
- where available, the name of the structure, street or surface water body nearest to the well.

Note: More than one map can be added to the well record form by clicking on “Add Map (+)” to add an additional map.

Information

Record any additional information (e.g., observations, tests, additional licensed well technicians who worked on the well, additional annular space details for a telescoped well or a multi-level nested test hole, reasons for not providing a well owner information package) in the comments area.

Declaration

Check the declaration statement to confirm that the person constructing the well agrees with the following statement: “I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate”.

Validate

Click the validate button. If there is no missing information, you will be asked to enter the well tag again to make sure the well tag is entered correctly (only enter the numeric portion of the tag number). The audit number will then be changed from “**incomplete**” to an assigned audit number. The signature field will then be available. Click on “signature” to enter the well technician’s electronic signature. For instructions on how to create an electronic signature, please visit the Adobe Digital IDs website using the following link: https://helpx.adobe.com/acrobat/using/digital-ids.html

Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Fields marked with an asterisk (*) are mandatory.

Well Tag Number * Help
A 319288

Type *

☑ Construction ☐ Abandonment

Measurement recorded in: *

☐ Metric ☑ Imperial

1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. *

Last Name	First Name
Organization	**Email Address**
Snowy Owl Holdings Inc.	

Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
	5905	Earlscourt Cres.	Manotik

Country	Province	Postal Code	Telephone Number
Canada	Ontario	K4M 1K2	

2. Well Location

Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	3852	Ganaraska Rd.	Hope

Lot	Concession	County/District/Municipality
15-16	8	NORTHUMBERLAND

City/Town	Province	Postal Code
Garden Hill	Ontario	

UTM Coordinates	Zone *	Easting *	Northing *		Municipal Plan and Sublot Number
NAD 83	17	707912	4881798	Test UTM in Map	

Other

3. Overburden and Bedrock Material *

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Well Depth * 172 (ft)

				(ft)	(ft)	
Grey	Gravel	Sand	Soft	0	3	−
Brown	Sand	Clay	Soft	3	15	−
Grey	Clay	Sand	Soft	15	78	−
Grey	Clay	Sand	Packed	78	97	−
Grey	Clay		Soft	97	135	−
Grey	Gravel	Sand	Cemented	135	139	−
Grey	Shale	Gravel	Hard	139	140	−
Grey	Limestone		Hard	140	172	−

Add Row (+)

4. Annular Space *

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)	
0	20	Bentonite Chips (50 lbs)	50	−
0	20	Bentonite Slurry (40 gal)	40	−

Add Row (+)

5. Method of Construction *

- [ ] Cable Tool
- [ ] Rotary (Conventional)
- [ ] Rotary (Reverse)
- [ ] Boring
- [ ] Air percussion
- [ ] Diamond
- [ ] Jetting
- [ ] Driving
- [ ] Digging
- [ ] Rotary (Air)
- [ ] Augering
- [ ] Direct Push
- [x] Other (specify) DR-12W

6. Well Use *

- [ ] Public
- [ ] Industrial
- [ ] Cooling & Air Conditioning
- [x] Domestic
- [ ] Commercial
- [ ] Not Used
- [ ] Livestock
- [ ] Municipal
- [ ] Monitoring
- [ ] Irrigation
- [ ] Test Hole
- [ ] Dewatering
- [ ] Other (specify)

7. Status of Well *

- [x] Water Supply
- [ ] Replacement Well
- [ ] Test Hole
- [ ] Recharge Well
- [ ] Dewatering Well
- [ ] Observation and/or Monitoring Hole
- [ ] Alteration (Construction)
- [ ] Abandoned, Insufficient Supply
- [ ] Abandoned, Poor Water Quality
- [ ] Abandoned, other (specify)
- [ ] Other (specify)

8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole **or** Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)
6.25	Steel	0.188	-2	140
6	Open Hole		140	172

Add Row (+)

9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)

Add Row (+)

10. Water Details

Water found at Depth 140 (ft) ☐ Gas Kind of water ☐ Fresh ☑ Untested ☐ Other

Add Water Details (+)

11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	20	11.5
20	140	7.5
140	172	6

Add Row (+)

12. Results of Well Yield Testing

☐ Pumping Discontinued

Explain _____

If flowing give rate

☐ Flowing _____ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	20.8	23.5	24.7	26.3	28.05	29.2	36.5	42.2	46.4	56.7	60.7	81.9	109.6	114.5

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	137.7	136.2	134.5	133.1	131.35	124.2	117.3	110.45	104.4	98.4	88.1	78.3	67.6

After test of well yield, water was

☑ Clear and sand free ☐ Other (specify)

Pump intake set at	Pumping rate	Duration of pumping	Final water level end of pumping	Disinfected? *
165 (ft)	5 (GPM)	1 hrs + 25 min	142.5 (ft)	☑ Yes ☐ No

Recommended pump depth	Recommended pump rate	Well production
165 (ft)	5 (GPM)	3.5 (GPM)

13. Map of Well Location *

Map 1. Please Click the map area below to import an image file to use as the map. ☐ Make map area bigger

Add Map (+)

14. Information

Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
☑ Yes ☐ No	2021/10/04	2021/01/13

Comments

15. Well Contractor and Well Technician Information

Business Name of Well Contractor *	Well Contractor's License Number *
Herb Lang Well Drilling Ltd.	7560

Business Address

Unit Number	Street Number	Street Name *
	4852	Highway 7

City/Town/Village *	Province	Postal Code *
Omemee	ON	K0L 2W0

Business Telephone Number	Business Email Address
705-799-7088	hlwelldrilling@gmail.com

Last Name of Well Technician *	First Name of Well Technician *	Well Technician's License Number *
Guthrie	Ken	4198

16. Declaration *

☑ I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
Foster	Garry	hlwelldrilling@gmail.com

Signature	Date Submitted (yyyy/mm/dd)
Garry Foster Digitally signed by Garry Foster Date: 2022.02.10 21:49:28 -05'00'	2022/02/10

17. Ministry Use Only

Audit Number

NJYB 2I8K

Validate | Save Form | Print Form | Clear Form

Well Record - Regulation 903

Ontario Water Resources Act

General Instructions and Explanations for completing a Well Record

A completed electronic Well Record Form must be delivered to the well purchaser and the owner of the land on which the well is situated within 14 days after the date on which the well's structural stage is complete. The electronic Well Record must also be forwarded within 30 days after the date on which the well's structural stage is complete to the ministry through email to the following email address: WellRecordSubmission@ontario.ca

False and Misleading Information

Subsection 98(2) of the *Ontario Water Resources Act*, R.S.O. 1990 c. O. 40, states that:

“No person shall orally, in writing or electronically, give or submit false or misleading information in any statement, document or data, to any provincial officer, the Minister, the Ministry or the Agency, any employee in or agent of the Ministry or the Agency, or any person involved in carrying out a program of the Ministry or the Agency in respect of any matter related to this Act or the regulations.”

Further, subsection 98(3) of the Act states that:

“No person shall include false or misleading information in any document or data required to be created, stored or submitted under this Act.”

Measurements

All measurements must be recorded in the specified unit, metric or imperial by checking off the applicable box on the top of the form. You must use the checked unit consistently throughout the well record. Measurements must be reported to 1/10th of a metre if the unit is a metre. All measurements of depth must be referenced to ground surface.

Well Owner’s Information

A “well owner” means the owner of land upon which a well is situated and includes a tenant or lessee of the land and a well purchaser. If the “well owner” is an individual, record the owner’s last name and first name or if the “well owner” is a business, government or other organization, record the name in the “organization” area.

Well Location

Street Number/Name and City/town/Village must be provided, if available.

Geographic Township, Concession and Lot must be reported if the well is located in an area where such information exists.

UTM Coordinates must be recorded each time a Well Record is completed. Click the button [Test UTM in Map] to use the UTM Coordinates to plot the location to Google map. This allows verification of the UTM Coordinates. This will also automatically populate the County/District.

Municipal Plan and Sublet Number may be provided, if available.

Overburden and Bedrock Materials

For each formation encountered during construction, choose words from the lists that best describe the formation on the basis of general colour, most common material, other materials, and general description of the formation.

General Colours are White, Yellow, Grey, Brown, Blue, Red, Green and Black.

Examples of Materials are: Fill, Silt, Top Soil, Coarse Sand, Slate, Muck, Gravel, Limestone, Dolomite, Quartzite, Peat, Stones, Fine Sand, Shale, Granite, Clay, Boulders, Medium Sand, Sandstone, and Greenstone.

Some definitions are as follows:

- Clay: Composed of very fine particles. Forms dense hard lumps or clods when dry and a very elastic putty-like mass when wet. It can be rolled between fingers to form a long, flexible ribbon.
- Silt: Grain size, midway between sand and clay. It may form clods which, when broken, feel soft and floury. When moist, it will form a cast that can be handled freely without breaking. Rolled between thumb and finger, it will not "ribbon" but will give a broken appearance.

- Sand: Grains are loose and granular and may be seen and felt readily. Squeezed in the hand when dry, it falls apart when the pressure is released. Squeezed when moist, it will form a cast that will crumble when touched. Should be listed as fine sand, medium sand or coarse sand.
- Gravel: Rock fragments greater than 0.3 cm in diameter.

Examples of General Descriptions are Loose, Cemented, Previously Dug or Bored, Porous, Layered, Previously Drilled, Dense, Soft, Wood Fragments, Packed, Hard.

Abandonment

To report abandonment of a well, check off the applicable box in Type on the top of the form. Details of abandonment must be recorded in the Abandonment and Sealing Section. Additional comments may be entered in the comments box under the Information section.

Annular Space

Record all material placed in the annular space around the single casing or around the permanent outer casing. If the well is a telescoped well [i.e., a well with an outer casing and inner casing(s)] or if the well is a multi-level nested test hole, report the depth from, depth to, material and volume placed for the annular space between two different sized casings or between the inner casing(s) and the side of the well in the “Comments” area of this electronic well record form.

Method of Construction

If the equipment used to construct the well is not on the list, check “Other (specify)” and record the type of equipment, check each equipment that applies.

Well Use

If the well’s use is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple uses, check each use that applies.

Status of Well

If the well’s status is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple statuses, check each use that applies.

Construction Record – Casing and Open Hole

Use negative values to report the top of casing above ground surface. For example, if the top of the casing is 0.4 metres above the ground surface and the bottom of the casing 6.0 metres below the ground surface, record the casing “Depth From” as -0.4.

If the top of casing is located below the ground surface (e.g., if a test hole is constructed and the top of casing is located below the ground surface in a flush mounted well vault), report the top of the casing from below ground surface. For example, if the top of the casing is 0.1 metres below the ground surface and the bottom of the casing is 6 metres below the ground surface, record the casing “Depth From” as 0.1.

Note: If a drive shoe is used, the shoe is considered casing and it must be reported if the shoe has a different inside diameter thickness.

If a portion of the well was created an open hole, record the location of the open hole on a separate row, including the diameter and the depth (top and bottom of open hole) from the ground surface.

Construction Record – Well Screen

A “well screen” means perforated pipe or tubing, unsealed concrete tiles or other material installed in a well to filter out particulate matter and form the water intake zone. Therefore, the length of a well screen includes any slotted or perforated area and unsealed area of pipe or tiles.

Water Details

- if groundwater was located, record the depth from the ground surface to the location of the groundwater resource, and
- record if the groundwater quality is “Untested,” “Fresh” (i.e., not salty), or “Other (specify).” If “Other (specify)” is recorded, use the “Other (specify)” dropdown list toselect the type of groundwater (e.g., salty, blackish water, yellowish water, mineralized, etc.).

Check off “Gas” if natural gas was encountered during well construction.

Note: Natural gas encounters need to be immediately reported to the ministry at 1-800-268-6060, well purchaser and the owner of the land.

Results of Well Yield Testing

Check off “Pumping Discontinued” if pumping was discontinued before 1 hour of continuous pumping. Explain the reason why pumping was discontinued or in some cases not performed (e.g., the well went dry, impossible to install pump in small diameter well, static water level from test hole or dewatering well was obtained and is reported instead of completing a yield test etc.).

Note: Equipment breakdown is not an acceptable reason for checking off “Pumping Discontinued” on the well record form. If groundwater in the well is flowing out of the well, provide the rate of flow, and check off “Flowing Well” (i.e., static water level above the ground surface).

In the “Results of Well Yield Testing” section of the well record form, record:

- the depth to the intake of the pump,
- the rate of pumping and duration of pumping period during the yield test,
- the final water level when pumping stops,
- water level measurements made during pumping (drawdown) and recovery. All water level measurements must be referenced from below the ground surface for each time interval specified in the drawdown and recovery boxes.

If the water level measurements remain the same over a period of time, continue to measure and report the same water level measurement for the remaining pumping or recovery time intervals.

If pumping continuously for at least 1 hour, but the design of the well does not allow for water level measurements (e.g., driven point well), the person constructing the well is not required to report drawdown or recovery water level measurements.

Map of Well Location

In the “Map of Well Location” section of the well record form, click the map area to attach a map of the well location. The map must show sufficient information to locate the well, including:

- a mark on the map showing the well,
- a scale on the map, and
- where available, the name of the structure, street or surface water body nearest to the well.

Note: More than one map can be added to the well record form by clicking on “Add Map (+)” to add an additional map.

Information

Record any additional information (e.g., observations, tests, additional licensed well technicians who worked on the well, additional annular space details for a telescoped well or a multi-level nested test hole, reasons for not providing a well owner information package) in the comments area.

Declaration

Check the declaration statement to confirm that the person constructing the well agrees with the following statement: “I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate”.

Validate

Click the validate button. If there is no missing information, you will be asked to enter the well tag again to make sure the well tag is entered correctly (only enter the numeric portion of the tag number). The audit number will then be changed from “**incomplete**” to an assigned audit number. The signature field will then be available. Click on “signature” to enter the well technician’s electronic signature. For instructions on how to create an electronic signature, please visit the Adobe Digital IDs website using the following link: https://helpx.adobe.com/acrobat/using/digital-ids.html

Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Fields marked with an asterisk (*) are mandatory.

Well Tag Number * Help
A 319287

Type *

☑ Construction ☐ Abandonment

Measurement recorded in: *

☐ Metric ☑ Imperial

1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. *

Last Name	First Name
Organization	**Email Address**
Snowy Owl Holdings Inc.	

Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
	5905	Earlcourt Cres.	Manotik

Country	Province	Postal Code	Telephone Number
Canada	Ontario	K4M 1K2	

2. Well Location

Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	3852	Ganaraska Rd.	Hope

Lot	Concession	County/District/Municipality
15-16	8	NORTHUMBERLAND

City/Town	Province	Postal Code
Garden Hill	Ontario	

UTM Coordinates	Zone *	Easting *	Northing *		Municipal Plan and Sublot Number
NAD 83	17	708060	4881995	Test UTM in Map	

Other

3. Overburden and Bedrock Material *

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Well Depth * 178 (ft)

				(ft)	(ft)	
Grey	Gravel	Sand	Loose	0	5	−
Brown	Clay	Sand	Soft	5	14	−
Grey	Clay		Packed	14	21	−
Grey	Clay	Stones	Soft	21	74	−
Grey	Clay		Dense	74	136	−
Grey	Shale	Gravel	Layered	136	137	−
Grey	Limestone		Hard	137	178	−

Add Row (+)

4. Annular Space *

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)	
0	20	Bentonite Chips (50 lbs)	50	−
0	20	Bentonite Slurry (40 gal)	40	−

Add Row (+)

5. Method of Construction *

☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Diamond
☐ Jetting ☐ Driving ☐ Digging ☐ Rotary (Air) ☐ Augering ☐ Direct Push
☑ Other (specify) DR-12W

6. Well Use *

☐ Public ☐ Industrial ☐ Cooling & Air Conditioning
☑ Domestic ☐ Commercial ☐ Not Used
☐ Livestock ☐ Municipal ☐ Monitoring
☐ Irrigation ☐ Test Hole ☐ Dewatering
☐ Other (specify)

7. Status of Well *

☑ Water Supply ☐ Replacement Well ☐ Test Hole
☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole
☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality
☐ Abandoned, other (specify)
☐ Other (specify)

8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole **or** Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)	
6.25	Steel	0.188	-2	137	−
6	Open Hole		137	178	−

Add Row (+)

9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)

Add Row (+)

10. Water Details

Water found at Depth 137 (ft) ☐ Gas Kind of water ☐ Fresh ☑ Untested ☐ Other

Add Water Details (+)

11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	20	11.5
20	178	7.5

Add Row (+)

12. Results of Well Yield Testing

☐ Pumping Discontinued

Explain

If flowing give rate

☐ Flowing (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	23.2	26.0	27.3	28.0	30.0	31.4	42.4	54.9	64.4	75.6	87.7	108.5	129.2	148.0

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	146.0	143.3	142.7	142.2	141.7	140.2	138.8	136.1	133.2	130.7	125.8	120.8	15.9

After test of well yield, water was

☑ Clear and sand free ☐ Other (specify)

Pump intake set at	Pumping rate	Duration of pumping	Final water level end of pumping	Disinfected? *
168 (ft)	3 (GPM)	1 hrs + 00 min	148 (ft)	☑ Yes ☐ No

Recommended pump depth	Recommended pump rate	Well production
170 (ft)	3 (GPM)	0.5 (GPM)

13. Map of Well Location *

Map 1. Please Click the map area below to import an image file to use as the map. ☐ Make map area bigger

Add Map (+)

14. Information

Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
☑ Yes ☐ No	2021/10/04	2021/01/12

Comments

15. Well Contractor and Well Technician Information

Business Name of Well Contractor *	Well Contractor's License Number *
Herb Lang Well Drilling Ltd.	7560

Business Address

Unit Number	Street Number	Street Name *
	4852	Highway 7

City/Town/Village *	Province	Postal Code *
Omemee	ON	K0L 2W0

Business Telephone Number	Business Email Address
705-799-7088	hlwelldrilling@gmail.com

Last Name of Well Technician *	First Name of Well Technician *	Well Technician's License Number *
Guthrie	Ken	4198

16. Declaration *

☑ I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
Foster	Garry	hlwelldrilling@gmail.com

Signature		Date Submitted (yyyy/mm/dd)
Garry Foster	Digitally signed by Garry Foster Date: 2022.02.10 21:45:01 -05'00'	2022/02/10

17. Ministry Use Only

Audit Number

B5IW 5HIF

Validate | Save Form | Print Form | Clear Form

Well Record - Regulation 903

Ontario Water Resources Act

General Instructions and Explanations for completing a Well Record

A completed electronic Well Record Form must be delivered to the well purchaser and the owner of the land on which the well is situated within 14 days after the date on which the well's structural stage is complete. The electronic Well Record must also be forwarded within 30 days after the date on which the well's structural stage is complete to the ministry through email to the following email address: WellRecordSubmission@ontario.ca

False and Misleading Information

Subsection 98(2) of the *Ontario Water Resources Act*, R.S.O. 1990 c. O. 40, states that:

“No person shall orally, in writing or electronically, give or submit false or misleading information in any statement, document or data, to any provincial officer, the Minister, the Ministry or the Agency, any employee in or agent of the Ministry or the Agency, or any person involved in carrying out a program of the Ministry or the Agency in respect of any matter related to this Act or the regulations.”

Further, subsection 98(3) of the Act states that:

“No person shall include false or misleading information in any document or data required to be created, stored or submitted under this Act.”

Measurements

All measurements must be recorded in the specified unit, metric or imperial by checking off the applicable box on the top of the form. You must use the checked unit consistently throughout the well record. Measurements must be reported to 1/10th of a metre if the unit is a metre. All measurements of depth must be referenced to ground surface.

Well Owner’s Information

A “well owner” means the owner of land upon which a well is situated and includes a tenant or lessee of the land and a well purchaser. If the “well owner” is an individual, record the owner’s last name and first name or if the “well owner” is a business, government or other organization, record the name in the “organization” area.

Well Location

Street Number/Name and City/town/Village must be provided, if available.

Geographic Township, Concession and Lot must be reported if the well is located in an area where such information exists.

UTM Coordinates must be recorded each time a Well Record is completed. Click the button [Test UTM in Map] to use the UTM Coordinates to plot the location to Google map. This allows verification of the UTM Coordinates. This will also automatically populate the County/District.

Municipal Plan and Sublet Number may be provided, if available.

Overburden and Bedrock Materials

For each formation encountered during construction, choose words from the lists that best describe the formation on the basis of general colour, most common material, other materials, and general description of the formation.

General Colours are White, Yellow, Grey, Brown, Blue, Red, Green and Black.

Examples of Materials are: Fill, Silt, Top Soil, Coarse Sand, Slate, Muck, Gravel, Limestone, Dolomite, Quartzite, Peat, Stones, Fine Sand, Shale, Granite, Clay, Boulders, Medium Sand, Sandstone, and Greenstone.

Some definitions are as follows:

- Clay: Composed of very fine particles. Forms dense hard lumps or clods when dry and a very elastic putty-like mass when wet. It can be rolled between fingers to form a long, flexible ribbon.
- Silt: Grain size, midway between sand and clay. It may form clods which, when broken, feel soft and floury. When moist, it will form a cast that can be handled freely without breaking. Rolled between thumb and finger, it will not "ribbon" but will give a broken appearance.

- Sand: Grains are loose and granular and may be seen and felt readily. Squeezed in the hand when dry, it falls apart when the pressure is released. Squeezed when moist, it will form a cast that will crumble when touched. Should be listed as fine sand, medium sand or coarse sand.
- Gravel: Rock fragments greater than 0.3 cm in diameter.

Examples of General Descriptions are Loose, Cemented, Previously Dug or Bored, Porous, Layered, Previously Drilled, Dense, Soft, Wood Fragments, Packed, Hard.

Abandonment

To report abandonment of a well, check off the applicable box in Type on the top of the form. Details of abandonment must be recorded in the Abandonment and Sealing Section. Additional comments may be entered in the comments box under the Information section.

Annular Space

Record all material placed in the annular space around the single casing or around the permanent outer casing. If the well is a telescoped well [i.e., a well with an outer casing and inner casing(s)] or if the well is a multi-level nested test hole, report the depth from, depth to, material and volume placed for the annular space between two different sized casings or between the inner casing(s) and the side of the well in the “Comments” area of this electronic well record form.

Method of Construction

If the equipment used to construct the well is not on the list, check “Other (specify)” and record the type of equipment, check each equipment that applies.

Well Use

If the well’s use is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple uses, check each use that applies.

Status of Well

If the well’s status is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple statuses, check each use that applies.

Construction Record – Casing and Open Hole

Use negative values to report the top of casing above ground surface. For example, if the top of the casing is 0.4 metres above the ground surface and the bottom of the casing 6.0 metres below the ground surface, record the casing “Depth From” as -0.4.

If the top of casing is located below the ground surface (e.g., if a test hole is constructed and the top of casing is located below the ground surface in a flush mounted well vault), report the top of the casing from below ground surface. For example, if the top of the casing is 0.1 metres below the ground surface and the bottom of the casing is 6 metres below the ground surface, record the casing “Depth From” as 0.1.

Note: If a drive shoe is used, the shoe is considered casing and it must be reported if the shoe has a different inside diameter thickness.

If a portion of the well was created an open hole, record the location of the open hole on a separate row, including the diameter and the depth (top and bottom of open hole) from the ground surface.

Construction Record – Well Screen

A “well screen” means perforated pipe or tubing, unsealed concrete tiles or other material installed in a well to filter out particulate matter and form the water intake zone. Therefore, the length of a well screen includes any slotted or perforated area and unsealed area of pipe or tiles.

Water Details

- if groundwater was located, record the depth from the ground surface to the location of the groundwater resource, and
- record if the groundwater quality is “Untested,” “Fresh” (i.e., not salty), or “Other (specify).” If “Other (specify)” is recorded, use the “Other (specify)” dropdown list toselect the type of groundwater (e.g., salty, blackish water, yellowish water, mineralized, etc.).

Check off “Gas” if natural gas was encountered during well construction.

Note: Natural gas encounters need to be immediately reported to the ministry at 1-800-268-6060, well purchaser and the owner of the land.

Results of Well Yield Testing

Check off “Pumping Discontinued” if pumping was discontinued before 1 hour of continuous pumping. Explain the reason why pumping was discontinued or in some cases not performed (e.g., the well went dry, impossible to install pump in small diameter well, static water level from test hole or dewatering well was obtained and is reported instead of completing a yield test etc.).

Note: Equipment breakdown is not an acceptable reason for checking off “Pumping Discontinued” on the well record form. If groundwater in the well is flowing out of the well, provide the rate of flow, and check off “Flowing Well” (i.e., static water level above the ground surface).

In the “Results of Well Yield Testing” section of the well record form, record:

- the depth to the intake of the pump,
- the rate of pumping and duration of pumping period during the yield test,
- the final water level when pumping stops,
- water level measurements made during pumping (drawdown) and recovery. All water level measurements must be referenced from below the ground surface for each time interval specified in the drawdown and recovery boxes.

If the water level measurements remain the same over a period of time, continue to measure and report the same water level measurement for the remaining pumping or recovery time intervals.

If pumping continuously for at least 1 hour, but the design of the well does not allow for water level measurements (e.g., driven point well), the person constructing the well is not required to report drawdown or recovery water level measurements.

Map of Well Location

In the “Map of Well Location” section of the well record form, click the map area to attach a map of the well location. The map must show sufficient information to locate the well, including:

- a mark on the map showing the well,
- a scale on the map, and
- where available, the name of the structure, street or surface water body nearest to the well.

Note: More than one map can be added to the well record form by clicking on “Add Map (+)” to add an additional map.

Information

Record any additional information (e.g., observations, tests, additional licensed well technicians who worked on the well, additional annular space details for a telescoped well or a multi-level nested test hole, reasons for not providing a well owner information package) in the comments area.

Declaration

Check the declaration statement to confirm that the person constructing the well agrees with the following statement: “I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate”.

Validate

Click the validate button. If there is no missing information, you will be asked to enter the well tag again to make sure the well tag is entered correctly (only enter the numeric portion of the tag number). The audit number will then be changed from “**incomplete**” to an assigned audit number. The signature field will then be available. Click on “signature” to enter the well technician’s electronic signature. For instructions on how to create an electronic signature, please visit the Adobe Digital IDs website using the following link: https://helpx.adobe.com/acrobat/using/digital-ids.html

Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Fields marked with an asterisk (*) are mandatory.

Well Tag Number * Help
A 319286

Type *

☑ Construction ☐ Abandonment

Measurement recorded in: *

☐ Metric ☑ Imperial

1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. *

Last Name	First Name

Organization	Email Address
Snowy Owl Holdings Inc.	

Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
	5905	Earlscourt Cres.	Manotik

Country	Province	Postal Code	Telephone Number
Canada	Ontario	K5M 1K2	

2. Well Location

Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	3852	Ganaraska Rd.	Hope

Lot	Concession	County/District/Municipality
15-16	8	NORTHUMBERLAND

City/Town	Province	Postal Code
Garden Hill	Ontario	

UTM Coordinates	Zone *	Easting *	Northing *		Municipal Plan and Sublot Number
NAD 83	17	708060	4881995	Test UTM in Map	

Other

3. Overburden and Bedrock Material *

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Well Depth * 111.5 (ft)

				(ft)	(ft)	
Brown	Gravel	Sand	Loose	0	3	−
Brown	Sand	Clay	Soft	3	17	−
Grey	Clay	Sand	Packed	17	37	−
Grey	Clay	Stones	Soft	37	73	−
Grey	Clay		Packed	73	102	−
Grey	Clay	Sand	Soft	102	107	−
Grey	Coarse Gravel	Sand	Loose	107	111.5	−

Add Row (+)

4. Annular Space *

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)	
0	20	Bentonite Chips (50 lbs)	50	−
0	20	Bentonite Slurry (40 gal)	40	−

Add Row (+)

5. Method of Construction *

☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☐ Diamond
☐ Jetting ☐ Driving ☐ Digging ☐ Rotary (Air) ☐ Augering ☐ Direct Push
☑ Other (specify) DR-12W

6. Well Use *

☐ Public ☐ Industrial ☐ Cooling & Air Conditioning
☑ Domestic ☐ Commercial ☐ Not Used
☐ Livestock ☐ Municipal ☐ Monitoring
☐ Irrigation ☐ Test Hole ☐ Dewatering
☐ Other (specify)

7. Status of Well *

☑ Water Supply ☐ Replacement Well ☐ Test Hole
☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole
☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality
☐ Abandoned, other (specify)
☐ Other (specify)

8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole **or** Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)	
6.25	Steel	0.188	-2	108	−
5.25	Steel	0.188	105	108	−

Add Row (+)

9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)
5.25	Stainless Steel	30	108	111.5

Add Row (+)

10. Water Details

Water found at Depth 111.5 (ft) ☐ Gas Kind of water ☐ Fresh ☑ Untested ☐ Other

Add Water Details (+)

11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)
0	20	11.5
20	111.5	7.5

Add Row (+)

12. Results of Well Yield Testing

☐ Pumping Discontinued

Explain

If flowing give rate

☐ Flowing _____ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	3.7	5.5	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7

After test of well yield, water was

☑ Clear and sand free ☐ Other (specify)

Pump intake set at	Pumping rate	Duration of pumping	Final water level end of pumping	Disinfected? *
111 (ft)	12 (GPM)	1 hrs + 00 min	5.7 (ft)	☑ Yes ☐ No

Recommended pump depth	Recommended pump rate	Well production
101 (ft)	15 (GPM)	100 (GPM)

13. Map of Well Location *

Map 1. Please Click the map area below to import an image file to use as the map. ☐ Make map area bigger

Add Map (+)

14. Information

Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
☑ Yes ☐ No	2021/10/04	2022/01/06

Comments
k-packer and leader pipe above screen
gravel was pressurized

15. Well Contractor and Well Technician Information

Business Name of Well Contractor *	Well Contractor's License Number *
Herb Lang Well Drilling Ltd.	7560

Business Address

Unit Number	Street Number	Street Name *
	4852	Highway 7

City/Town/Village *	Province	Postal Code *
Omemee	ON	K0L 2W0

Business Telephone Number	Business Email Address
705-799-7088	hlwelldrilling@gmail.com

Last Name of Well Technician *	First Name of Well Technician *	Well Technician's License Number *
Guthrie	Ken	4198

16. Declaration *

☑ I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
Foster	Garry	hlwelldrilling@gmail.com

Signature		Date Submitted (yyyy/mm/dd)
Garry Foster	Digitally signed by Garry Foster Date: 2022.02.10 21:40:29 -05'00'	2022/02/10

17. Ministry Use Only

Audit Number
BKIO E4M7

Validate | Save Form | Print Form | Clear Form

Well Record - Regulation 903

Ontario Water Resources Act

General Instructions and Explanations for completing a Well Record

A completed electronic Well Record Form must be delivered to the well purchaser and the owner of the land on which the well is situated within 14 days after the date on which the well's structural stage is complete. The electronic Well Record must also be forwarded within 30 days after the date on which the well's structural stage is complete to the ministry through email to the following email address: WellRecordSubmission@ontario.ca

False and Misleading Information

Subsection 98(2) of the *Ontario Water Resources Act*, R.S.O. 1990 c. O. 40, states that:

“No person shall orally, in writing or electronically, give or submit false or misleading information in any statement, document or data, to any provincial officer, the Minister, the Ministry or the Agency, any employee in or agent of the Ministry or the Agency, or any person involved in carrying out a program of the Ministry or the Agency in respect of any matter related to this Act or the regulations.”

Further, subsection 98(3) of the Act states that:

“No person shall include false or misleading information in any document or data required to be created, stored or submitted under this Act.”

Measurements

All measurements must be recorded in the specified unit, metric or imperial by checking off the applicable box on the top of the form. You must use the checked unit consistently throughout the well record. Measurements must be reported to 1/10th of a metre if the unit is a metre. All measurements of depth must be referenced to ground surface.

Well Owner’s Information

A “well owner” means the owner of land upon which a well is situated and includes a tenant or lessee of the land and a well purchaser. If the “well owner” is an individual, record the owner’s last name and first name or if the “well owner” is a business, government or other organization, record the name in the “organization” area.

Well Location

Street Number/Name and City/town/Village must be provided, if available.

Geographic Township, Concession and Lot must be reported if the well is located in an area where such information exists.

UTM Coordinates must be recorded each time a Well Record is completed. Click the button [Test UTM in Map] to use the UTM Coordinates to plot the location to Google map. This allows verification of the UTM Coordinates. This will also automatically populate the County/District.

Municipal Plan and Sublet Number may be provided, if available.

Overburden and Bedrock Materials

For each formation encountered during construction, choose words from the lists that best describe the formation on the basis of general colour, most common material, other materials, and general description of the formation.

General Colours are White, Yellow, Grey, Brown, Blue, Red, Green and Black.

Examples of Materials are: Fill, Silt, Top Soil, Coarse Sand, Slate, Muck, Gravel, Limestone, Dolomite, Quartzite, Peat, Stones, Fine Sand, Shale, Granite, Clay, Boulders, Medium Sand, Sandstone, and Greenstone.

Some definitions are as follows:

- Clay: Composed of very fine particles. Forms dense hard lumps or clods when dry and a very elastic putty-like mass when wet. It can be rolled between fingers to form a long, flexible ribbon.
- Silt: Grain size, midway between sand and clay. It may form clods which, when broken, feel soft and floury. When moist, it will form a cast that can be handled freely without breaking. Rolled between thumb and finger, it will not "ribbon" but will give a broken appearance.

- Sand: Grains are loose and granular and may be seen and felt readily. Squeezed in the hand when dry, it falls apart when the pressure is released. Squeezed when moist, it will form a cast that will crumble when touched. Should be listed as fine sand, medium sand or coarse sand.
- Gravel: Rock fragments greater than 0.3 cm in diameter.

Examples of General Descriptions are Loose, Cemented, Previously Dug or Bored, Porous, Layered, Previously Drilled, Dense, Soft, Wood Fragments, Packed, Hard.

Abandonment

To report abandonment of a well, check off the applicable box in Type on the top of the form. Details of abandonment must be recorded in the Abandonment and Sealing Section. Additional comments may be entered in the comments box under the Information section.

Annular Space

Record all material placed in the annular space around the single casing or around the permanent outer casing. If the well is a telescoped well [i.e., a well with an outer casing and inner casing(s)] or if the well is a multi-level nested test hole, report the depth from, depth to, material and volume placed for the annular space between two different sized casings or between the inner casing(s) and the side of the well in the “Comments” area of this electronic well record form.

Method of Construction

If the equipment used to construct the well is not on the list, check “Other (specify)” and record the type of equipment, check each equipment that applies.

Well Use

If the well’s use is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple uses, check each use that applies.

Status of Well

If the well’s status is not provided on the list, check “Other (specify)” and record the use of the well. If the well has multiple statuses, check each use that applies.

Construction Record – Casing and Open Hole

Use negative values to report the top of casing above ground surface. For example, if the top of the casing is 0.4 metres above the ground surface and the bottom of the casing 6.0 metres below the ground surface, record the casing “Depth From” as -0.4.

If the top of casing is located below the ground surface (e.g., if a test hole is constructed and the top of casing is located below the ground surface in a flush mounted well vault), report the top of the casing from below ground surface. For example, if the top of the casing is 0.1 metres below the ground surface and the bottom of the casing is 6 metres below the ground surface, record the casing “Depth From” as 0.1.

Note: If a drive shoe is used, the shoe is considered casing and it must be reported if the shoe has a different inside diameter thickness.

If a portion of the well was created an open hole, record the location of the open hole on a separate row, including the diameter and the depth (top and bottom of open hole) from the ground surface.

Construction Record – Well Screen

A “well screen” means perforated pipe or tubing, unsealed concrete tiles or other material installed in a well to filter out particulate matter and form the water intake zone. Therefore, the length of a well screen includes any slotted or perforated area and unsealed area of pipe or tiles.

Water Details

- if groundwater was located, record the depth from the ground surface to the location of the groundwater resource, and
- record if the groundwater quality is “Untested,” “Fresh” (i.e., not salty), or “Other (specify).” If “Other (specify)” is recorded, use the “Other (specify)” dropdown list toselect the type of groundwater (e.g., salty, blackish water, yellowish water, mineralized, etc.).

Check off “Gas” if natural gas was encountered during well construction.

Note: Natural gas encounters need to be immediately reported to the ministry at 1-800-268-6060, well purchaser and the owner of the land.

Results of Well Yield Testing

Check off “Pumping Discontinued” if pumping was discontinued before 1 hour of continuous pumping. Explain the reason why pumping was discontinued or in some cases not performed (e.g., the well went dry, impossible to install pump in small diameter well, static water level from test hole or dewatering well was obtained and is reported instead of completing a yield test etc.).

Note: Equipment breakdown is not an acceptable reason for checking off “Pumping Discontinued” on the well record form. If groundwater in the well is flowing out of the well, provide the rate of flow, and check off “Flowing Well” (i.e., static water level above the ground surface).

In the “Results of Well Yield Testing” section of the well record form, record:

- the depth to the intake of the pump,
- the rate of pumping and duration of pumping period during the yield test,
- the final water level when pumping stops,
- water level measurements made during pumping (drawdown) and recovery. All water level measurements must be referenced from below the ground surface for each time interval specified in the drawdown and recovery boxes.

If the water level measurements remain the same over a period of time, continue to measure and report the same water level measurement for the remaining pumping or recovery time intervals.

If pumping continuously for at least 1 hour, but the design of the well does not allow for water level measurements (e.g., driven point well), the person constructing the well is not required to report drawdown or recovery water level measurements.

Map of Well Location

In the “Map of Well Location” section of the well record form, click the map area to attach a map of the well location. The map must show sufficient information to locate the well, including:

- a mark on the map showing the well,
- a scale on the map, and
- where available, the name of the structure, street or surface water body nearest to the well.

Note: More than one map can be added to the well record form by clicking on “Add Map (+)” to add an additional map.

Information

Record any additional information (e.g., observations, tests, additional licensed well technicians who worked on the well, additional annular space details for a telescoped well or a multi-level nested test hole, reasons for not providing a well owner information package) in the comments area.

Declaration

Check the declaration statement to confirm that the person constructing the well agrees with the following statement: “I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate”.

Validate

Click the validate button. If there is no missing information, you will be asked to enter the well tag again to make sure the well tag is entered correctly (only enter the numeric portion of the tag number). The audit number will then be changed from “**incomplete**” to an assigned audit number. The signature field will then be available. Click on “signature” to enter the well technician’s electronic signature. For instructions on how to create an electronic signature, please visit the Adobe Digital IDs website using the following link: https://helpx.adobe.com/acrobat/using/digital-ids.html

Notice of Collection of Personal Information

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

Fields marked with an asterisk (*) are mandatory.

Well Tag Number * Help
A 319297

Type *

☑ Construction ☐ Abandonment

Measurement recorded in: *

☐ Metric ☑ Imperial

1. Well Owner's Information

Last Name and First Name, or Organization is mandatory. *

Last Name	First Name
Organization	**Email Address**
Snowy Owl Holdings Inc.	

Current Address

Unit Number	Street Number *	Street Name *	City/Town/Village
	5905	Earlscourt Cres.	Manotik

Country	Province	Postal Code	Telephone Number
Canada	Ontario	K4M 1K2	

2. Well Location

Address of Well Location

Unit Number	Street Number *	Street Name *	Township
	3852	Ganaraska Rd.	Hope

Lot	Concession	County/District/Municipality
15-16	8	NORTHUMBERLAND

City/Town	Province	Postal Code
Garden Hill	Ontario	

UTM Coordinates	Zone *	Easting *	Northing *		Municipal Plan and Sublot Number
NAD 83	17	708244	4881625	Test UTM in Map	

Other

3. Overburden and Bedrock Material *

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Well Depth * 143 (ft)

				(ft)	(ft)	
Brown	Topsoil		Soft	0	2	−
Brown	Sand	Clay	Packed	2	11	−
Grey	Clay	Stones	Soft	11	75	−
Grey	Clay		Packed	75	90	−
Grey	Clay	Sand	Layered	90	137	−
Grey	Gravel	Sand	Cemented	137	140	−
Grey	Shale	Gravel	Hard	140	142	−
Grey	Limestone		Hard	142	143	−

Add Row (+)

4. Annular Space *

Depth From (ft)	Depth To (ft)	Type of Sealant Used (Material and Type)	Volume Placed (cubic feet)	
0	20	Bentonite Chips (50 lbs)	50	−
0	20	Bentonite Slurry (40 gal)	40	−

Add Row (+)

5. Method of Construction *

- [ ] Cable Tool
- [ ] Rotary (Conventional)
- [ ] Rotary (Reverse)
- [ ] Boring
- [ ] Air percussion
- [ ] Diamond
- [ ] Jetting
- [ ] Driving
- [ ] Digging
- [ ] Rotary (Air)
- [ ] Augering
- [ ] Direct Push
- [x] Other (specify) DR-12W

6. Well Use *

- [ ] Public
- [ ] Industrial
- [ ] Cooling & Air Conditioning
- [x] Domestic
- [ ] Commercial
- [ ] Not Used
- [ ] Livestock
- [ ] Municipal
- [ ] Monitoring
- [ ] Irrigation
- [ ] Test Hole
- [ ] Dewatering
- [ ] Other (specify)

7. Status of Well *

- [x] Water Supply
- [ ] Replacement Well
- [ ] Test Hole
- [ ] Recharge Well
- [ ] Dewatering Well
- [ ] Observation and/or Monitoring Hole
- [ ] Alteration (Construction)
- [ ] Abandoned, Insufficient Supply
- [ ] Abandoned, Poor Water Quality
- [ ] Abandoned, other (specify)
- [ ] Other (specify)

8. Construction Record - Casing * (use negative number(s) to indicate depth above ground surface)

Inside Diameter (in)	Open Hole **or** Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness	Depth From (ft)	Depth To (ft)	
6.25	Steel	0.188	-2	142	−
6	Open Hole		142	143	−

Add Row (+)

9. Construction Record - Screen

Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot Number	Depth From (ft)	Depth To (ft)	
					−

Add Row (+)

10. Water Details

Water found at Depth 142 (ft) ☐ Gas Kind of water ☐ Fresh ☑ Untested ☐ Other −

Add Water Details (+)

11. Hole Diameter

Depth From (ft)	Depth To (ft)	Diameter (in)	
0	20	11.5	−
20	142	7.5	−
142	143	6	−

Add Row (+)

12. Results of Well Yield Testing

☐ Pumping Discontinued

Explain _____

If flowing give rate

☐ Flowing _____ (GPM)

Draw down

Time (min)	Static Level	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	20.8	21.5	22.1	23.6	23.0	23.3	24.6	25.8	26.7	26.9	27.6	28.1	28.5	28.8

Recovery

Time (min)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Level (ft)	26.4	25.9	25.6	25.4	25.2	25.0	24.8	24.7	24.5	22.5	22.0	21.6	21.2

After test of well yield, water was

☑ Clear and sand free ☐ Other (specify)

Pump intake set at	Pumping rate	Duration of pumping	Final water level end of pumping	Disinfected? *
142 (ft)	13 (GPM)	1 hrs + 00 min	28.8 (ft)	☑ Yes ☐ No

Recommended pump depth	Recommended pump rate	Well production
135 (ft)	13 (GPM)	50 (GPM)

13. Map of Well Location *

Map 1. Please Click the map area below to import an image file to use as the map. ☐ Make map area bigger

Add Map (+)

14. Information

Well owner's information package delivered	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) *
☑ Yes ☐ No	2021/10/04	2022/01/09

Comments

15. Well Contractor and Well Technician Information

Business Name of Well Contractor *	Well Contractor's License Number *
Herb Lang Well Drilling Ltd.	7560

Business Address

Unit Number	Street Number	Street Name *
	4852	Highway 7

City/Town/Village *	Province	Postal Code *
Omemee	ON	K0L 2W0

Business Telephone Number	Business Email Address
705-799-7088	hlwelldrilling@gmail.com

Last Name of Well Technician *	First Name of Well Technician *	Well Technician's License Number *
Guthrie	Ken	4198

16. Declaration *

☑ I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name	First Name	Email Address
Foster	Garry	hlwelldrilling@gmail.com

Signature	Date Submitted (yyyy/mm/dd)
Garry Foster Digitally signed by Garry Foster Date: 2022.02.10 21:35:22 -05'00'	2022/02/10

17. Ministry Use Only

Audit Number

FMNT C5WE

Validate | Save Form | Print Form | Clear Form

Appendix C

Laboratory Certificates of Analysis

CADUCEON ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: ---

REPORT No. B22-03220

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 02-Feb-22
DATE REPORTED: 09-Feb-22
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER:
WATERWORKS NO.

			Client I.D.		A319286			
			Sample I.D.		B22-03220-1			
			Date Collected		01-Feb-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Total Coliform	cfu/100mL	1	MOE E3407	02-Feb-22/K	0			
E coli	cfu/100mL	1	MOE E3407	02-Feb-22/K	0			
Background	cfu/100mL	1	SM9222B	02-Feb-22/K	1			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	03-Feb-22/O	170			
pH @25°C	pH Units		SM 4500H	03-Feb-22/O	8.05			
Conductivity @25°C	µmho/cm	1	SM 2510B	04-Feb-22/O	339			
Colour	TCU	2	SM 2120C	07-Feb-22/O	< 2			
Turbidity	NTU	0.1	SM 2130	07-Feb-22/O	2.3			
Fluoride	mg/L	0.1	SM4110C	03-Feb-22/O	< 0.1			
Chloride	mg/L	0.5	SM4110C	03-Feb-22/O	1.7			
Nitrite (N)	mg/L	0.1	SM4110C	03-Feb-22/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	03-Feb-22/O	< 0.1			
Sulphate	mg/L	1	SM4110C	03-Feb-22/O	9			
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	03-Feb-22/K	0.3			
Ammonia + Ammonium (N)	mg/L	0.01	SM4500-NH3-H	03-Feb-22/K	0.27			
Organic Nitrogen	mg/L	0.1	E3516.2	07-Feb-22/K	< 0.1			
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	03-Feb-22/O	3.4			
Sulphide	mg/L	0.01	SM4500-S2	04-Feb-22/K	< 0.01			
Phenolics	mg/L	0.001	MOEE 3179	04-Feb-22/K	< 0.001			
Tannins and Lignins	mg/L	0.5	SM5500B	08-Feb-22/K	< 0.5			
Hardness (as CaCO3)	mg/L	1	SM 3120	04-Feb-22/O	165			
Calcium	mg/L	0.02	SM 3120	04-Feb-22/O	33.9			
Copper	mg/L	0.002	SM 3120	04-Feb-22/O	< 0.002			
Iron	mg/L	0.005	SM 3120	04-Feb-22/O	0.126			
Magnesium	mg/L	0.02	SM 3120	04-Feb-22/O	19.4			
Manganese	mg/L	0.001	SM 3120	04-Feb-22/O	0.029			
Potassium	mg/L	0.1	SM 3120	04-Feb-22/O	1.3			

R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Richard Lecompte
Laboratory Supervisor

CADUCEON ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: ---

REPORT No. B22-03220

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 02-Feb-22
DATE REPORTED: 09-Feb-22
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER:
WATERWORKS NO.

			Client I.D.		A319286			
			Sample I.D.		B22-03220-1			
			Date Collected		01-Feb-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Silica	mg/L	0.02	SM 3120	04-Feb-22/O	20.5			
Sodium	mg/L	0.2	SM 3120	04-Feb-22/O	9.5			
Zinc	mg/L	0.005	SM 3120	04-Feb-22/O	< 0.005			

R. Lecompte

R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Richard Lecompte
Laboratory Supervisor

CADUCEON ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: ---

REPORT No. B22-03427

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 04-Feb-22
DATE REPORTED: 11-Feb-22
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER:
WATERWORKS NO.

			Client I.D.		A319288			
			Sample I.D.		B22-03427-1			
			Date Collected		02-Feb-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Total Coliform	cfu/100mL	1	MOE E3407	04-Feb-22/K	0			
E coli	cfu/100mL	1	MOE E3407	04-Feb-22/K	0			
Background	cfu/100mL	1	SM9222B	04-Feb-22/K	29			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	07-Feb-22/O	158			
pH @25°C	pH Units		SM 4500H	07-Feb-22/O	8.23			
Conductivity @25°C	µmho/cm	1	SM 2510B	07-Feb-22/O	497			
Colour	TCU	2	SM 2120C	09-Feb-22/O	< 2			
Turbidity	NTU	0.1	SM 2130	09-Feb-22/O	7.3			
Fluoride	mg/L	0.1	SM4110C	07-Feb-22/O	0.3			
Chloride	mg/L	0.5	SM4110C	07-Feb-22/O	66.3			
Nitrite (N)	mg/L	0.1	SM4110C	07-Feb-22/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	07-Feb-22/O	< 0.1			
Sulphate	mg/L	1	SM4110C	07-Feb-22/O	1			
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	07-Feb-22/K	10.3			
Ammonia + Ammonium (N)	mg/L	0.01	SM4500-NH3-H	08-Feb-22/K	0.52			
Organic Nitrogen	mg/L	0.1	E3516.2	11-Feb-22/K	9.8			
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	07-Feb-22/O	0.5			
Sulphide	mg/L	0.01	SM4500-S2	09-Feb-22/K	< 0.01			
Phenolics	mg/L	0.001	MOEE 3179	07-Feb-22/K	< 0.001			
Tannins and Lignins	mg/L	0.5	SM5500B	08-Feb-22/K	< 0.5			
Hardness (as CaCO3)	mg/L	1	SM 3120	08-Feb-22/O	159			
Calcium	mg/L	0.02	SM 3120	08-Feb-22/O	31.8			
Copper	mg/L	0.002	SM 3120	08-Feb-22/O	< 0.002			
Iron	mg/L	0.005	SM 3120	08-Feb-22/O	0.356			
Magnesium	mg/L	0.02	SM 3120	08-Feb-22/O	19.4			
Manganese	mg/L	0.001	SM 3120	08-Feb-22/O	0.010			
Potassium	mg/L	0.1	SM 3120	08-Feb-22/O	2.5			

R. Lecompte

Richard Lecompte
Laboratory Supervisor

R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

CADUCEON ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: ---

REPORT No. B22-03427

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
285 Dalton Ave
Kingston Ontario K7K 6Z1
Tel: 613-544-2001
Fax: 613-544-2770

DATE RECEIVED: 04-Feb-22
DATE REPORTED: 11-Feb-22
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER:
WATERWORKS NO.

			Client I.D.		A319288			
			Sample I.D.		B22-03427-1			
			Date Collected		02-Feb-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Silica	mg/L	0.02	SM 3120	08-Feb-22/O	16.1			
Sodium	mg/L	0.2	SM 3120	08-Feb-22/O	51.5			
Zinc	mg/L	0.005	SM 3120	08-Feb-22/O	0.009			

R. Lecompte

R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Richard Lecompte
Laboratory Supervisor

CADUCEON ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: DW117649 **REPORT No. B22-03442**

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
110 West Beaver Creek Rd Unit 14
Richmond Hill ON L4B 1J9
Tel: 289-475-5442
Fax: 289-562-1963

DATE RECEIVED: 04-Feb-22
DATE REPORTED: 11-Feb-22
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER: 2138438
WATERWORKS NO.

			Client I.D.:		A319297		ODWS	
			Sample I.D.:		B22-03442-1		Objective	Type of Objective
			Date Collected:		03-Feb-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Total Coliform	cfu/100mL	1	MOE E3407	05-Feb-22/K	0		0	MAC
E coli	cfu/100mL	1	MOE E3407	05-Feb-22/K	0		0	MAC
pH @25°C	pH Units		SM 4500H	07-Feb-22/O	8.15		6.5-8.5	OG
Conductivity @25°C	µmho/cm	1	SM 2510B	07-Feb-22/O	660			
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	07-Feb-22/O	176		30-500	OG
Hardness (as CaCO3)	mg/L	1	SM 3120	08-Feb-22/O	**180**		500,80-100	ODWO,OG
Chloride	mg/L	0.5	SM4110C	08-Feb-22/O	105		250	AO
Fluoride	mg/L	0.1	SM4110C	08-Feb-22/O	0.2		1.5	MAC
Nitrite (N)	mg/L	0.1	SM4110C	08-Feb-22/O	< 0.1		1	MAC
Nitrate (N)	mg/L	0.1	SM4110C	08-Feb-22/O	< 0.1		10	MAC
Sulphate	mg/L	1	SM4110C	08-Feb-22/O	< 1		500	AO
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	07-Feb-22/O	0.3		5	AO
Colour	TCU	2	SM 2120C	09-Feb-22/O	< 2		5	AO
Turbidity	NTU	0.1	SM 2130	09-Feb-22/O	1.5		5	AO
Sulphide	mg/L	0.01	SM4500-S2	09-Feb-22/K	0.01		0.05	AO
o-Phosphate (P)	mg/L	0.002	PE4500-S	08-Feb-22/K	0.008			
Ammonia + Ammonium (N)	mg/L	0.01	SM4500-NH3-H	08-Feb-22/K	0.47			
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	07-Feb-22/K	1.2			
Organic Nitrogen	mg/L	0.1	E3516.2	11-Feb-22/K	**0.8**		0.15	OG
Tannins and Lignins	mg/L	0.5	SM5500B	08-Feb-22/K	< 0.5			
Phenolics	mg/L	0.001	MOEE 3179	07-Feb-22/K	< 0.001			
Calcium	mg/L	0.02	SM 3120	08-Feb-22/O	33.2			
Magnesium	mg/L	0.02	SM 3120	08-Feb-22/O	23.5			

ODWS - Ontario Drinking Water Standards
AO - Aesthetic Objectives
IMAC - Interim Maximum Acceptable Concentration
MAC - Maximum Acceptable Concentration
ODWO - D-5-5 Objective
OG - Operational Guidelines
WL - Warning Level - Sodium Restricted Diets
R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Christine Burke
Lab Manager

CADUCEON™ ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: DW117649 **REPORT No. B22-03442**

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
110 West Beaver Creek Rd Unit 14
Richmond Hill ON L4B 1J9
Tel: 289-475-5442
Fax: 289-562-1963

DATE RECEIVED: 04-Feb-22
DATE REPORTED: 11-Feb-22
SAMPLE MATRIX: Groundwater

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER: 2138438
WATERWORKS NO.

			Client I.D.:		A319297		ODWS	
			Sample I.D.:		B22-03442-1		Objective	Type of Objective
			Date Collected:		03-Feb-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Potassium	mg/L	0.1	SM 3120	08-Feb-22/O	2.7			
Sodium	mg/L	0.2	SM 3120	08-Feb-22/O	**77.8**		200,20	AO,WL
Copper	mg/L	0.002	SM 3120	08-Feb-22/O	< 0.002		1	AO
Iron	mg/L	0.005	SM 3120	08-Feb-22/O	0.255		0.3	AO
Manganese	mg/L	0.001	SM 3120	08-Feb-22/O	0.008		0.05	AO
Silica	mg/L	0.02	SM 3120	08-Feb-22/O	16.4			
Zinc	mg/L	0.005	SM 3120	08-Feb-22/O	< 0.005		5	AO
Anion Sum	meq/L		Calc.	09-Feb-22/O	6.48			
Cation Sum	meq/L		Calc.	09-Feb-22/O	7.09			
% Difference	%		Calc.	09-Feb-22/O	4.52			
TDS(ion sum calc.)	mg/L	1	Calc.	09-Feb-22/O	348		500	AO
Conductivity (calc.)	µmho/cm		Calc.	09-Feb-22/O	680			

ODWS - Ontario Drinking Water Standards
AO - Aesthetic Objectives
IMAC - Interim Maximum Acceptable Concentration
MAC - Maximum Acceptable Concentration
ODWO - D-5-5 Objective
OG - Operational Guidelines
WL - Warning Level - Sodium Restricted Diets
R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Christine Burke
Lab Manager

CADUCEON™ ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: DW117713 **REPORT No. B22-07330**

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
110 West Beaver Creek Rd Unit 14
Richmond Hill ON L4B 1J9
Tel: 289-475-5442
Fax: 289-562-1963

DATE RECEIVED: 17-Mar-22
DATE REPORTED: 24-Mar-22
SAMPLE MATRIX: Drinking Water

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER:
WATERWORKS NO.

			Client I.D.:		A319287		**ODWS**		
			Sample I.D.:		B22-07330-1		**Objective**	**Type of Objective**	
			Date Collected:		16-Mar-22				
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**					
Total Coliform	cfu/100mL	1	MOE E3407	17-Mar-22/B	**NDOGT** [1]		0	MAC	
E coli	cfu/100mL	1	MOE E3407	17-Mar-22/B	**NDOGT** [1]		0	MAC	
Background	cfu/100mL	1	MOE E3407	17-Mar-22/B	NDOGT [1]				
pH @25°C	pH Units		SM 4500H	21-Mar-22/O	8.43		6.5-8.5	OG	
Conductivity @25°C	µmho/cm	1	SM 2510B	18-Mar-22/O	604				
Alkalinity(CaCO3) to pH4.5	mg/L	5	SM 2320B	18-Mar-22/O	67		30-500	OG	
Hardness (as CaCO3)	mg/L	1	SM 3120	18-Mar-22/O	90		500,80-100	ODWO,OG	
Chloride	mg/L	0.5	SM4110C	18-Mar-22/O	149		250	AO	
Fluoride	mg/L	0.1	SM4110C	18-Mar-22/O	0.4		1.5	MAC	
Nitrite (N)	mg/L	0.1	SM4110C	18-Mar-22/O	< 0.1		1	MAC	
Nitrate (N)	mg/L	0.1	SM4110C	18-Mar-22/O	< 0.1		10	MAC	
Sulphate	mg/L	1	SM4110C	18-Mar-22/O	< 1		500	AO	
Dissolved Organic Carbon	mg/L	0.2	EPA 415.2	21-Mar-22/O	0.6		5	AO	
Colour	TCU	2	SM 2120C	18-Mar-22/O	< 2		5	AO	
Turbidity	NTU	0.1	SM 2130	21-Mar-22/O	**64.9**		5	AO	
Sulphide	mg/L	0.01	SM4500-S2	23-Mar-22/K	< 0.05		0.05	AO	
o-Phosphate (P)	mg/L	0.002	PE4500-S	22-Mar-22/K	0.015				
Ammonia + Ammonium (N)	mg/L	0.01	SM4500-NH3-H	22-Mar-22/K	0.45				
Total Kjeldahl Nitrogen	mg/L	0.1	E3516.2	21-Mar-22/K	0.7				
Organic Nitrogen	mg/L	0.1	E3516.2	24-Mar-22/K	**0.3**		0.15	OG	
Tannins and Lignins	mg/L	0.5	SM5500B	22-Mar-22/K	< 0.5				
Phenolics	mg/L	0.001	MOEE 3179	23-Mar-22/K	0.004				
Calcium	mg/L	0.02	SM 3120	18-Mar-22/O	17.2				

Christine Burke
Lab Manager

R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

CADUCEON™ ENVIRONMENTAL LABORATORIES
Client committed. Quality assured.

CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: DW117713 **REPORT No. B22-07330**

Report To:

The Greer Galloway Group
1620 Wallbridge-Loyalist Road, RR #5,
Belleville Ontario K8N 4Z5 Canada
Attention: David Cooper

Caduceon Environmental Laboratories
110 West Beaver Creek Rd Unit 14
Richmond Hill ON L4B 1J9
Tel: 289-475-5442
Fax: 289-562-1963

DATE RECEIVED: 17-Mar-22
DATE REPORTED: 24-Mar-22
SAMPLE MATRIX: Drinking Water

JOB/PROJECT NO.: Garden Hill 2138438
P.O. NUMBER:
WATERWORKS NO.

							ODWS	
				Client I.D.:	A319287		Objective	Type of Objective
				Sample I.D.:	B22-07330-1			
				Date Collected:	16-Mar-22			
Parameter	**Units**	**R.L.**	**Reference Method**	**Date/Site Analyzed**				
Magnesium	mg/L	0.02	SM 3120	18-Mar-22/O	11.5			
Potassium	mg/L	0.1	SM 3120	18-Mar-22/O	1.9			
Sodium	mg/L	0.2	SM 3120	18-Mar-22/O	**71.6**		200,20	AO,WL
Copper	mg/L	0.002	SM 3120	18-Mar-22/O	< 0.002		1	AO
Iron	mg/L	0.005	SM 3120	18-Mar-22/O	**6.94**		0.3	AO
Lead	mg/L	0.00002	EPA 200.8	21-Mar-22/O	0.00017		0.01	MAC
Manganese	mg/L	0.001	SM 3120	18-Mar-22/O	**0.209**		0.05	AO
Silica	mg/L	0.02	SM 3120	18-Mar-22/O	0.61			
Zinc	mg/L	0.005	SM 3120	18-Mar-22/O	0.085		5	AO
Anion Sum	meq/L		Calc.	21-Mar-22/O	5.57			
Cation Sum	meq/L		Calc.	21-Mar-22/O	5.35			
% Difference	%		Calc.	21-Mar-22/O	2.01			
TDS(ion sum calc.)	mg/L	1	Calc.	21-Mar-22/O	299		500	AO
Conductivity (calc.)	µmho/cm		Calc.	21-Mar-22/O	590			

1 . NDOGT = No Data; Overgrown with target bacteria.

Christine Burke
Lab Manager

R.L. = Reporting Limit
Test methods may be modified from specified reference method unless indicated by an *
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Appendix D

MECP Well Records

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508938 | MUNICIP. 450111 | CON. CON 08

COUNTY OR DISTRICT: [redacted] | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted] | CON | BLOCK | TRACT | SURVEY | ETC: 8 | LOT: 15

[redacted] GARDEN HILL

DATE COMPLETED: DAY 07 MO 09 YR 90

[redacted] CREST | RC | ELEVATION | SCARBOROUGH, ONT | RC | BASIN CODE | M1J 1A8

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BRN	TOPSOIL		SOFT	0	3
GRAY	CLAY		SOFT	3	115
GRAY	SAND GRAVEL		HARD	115	118

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
118	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 5/8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	118
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
12	5 INCHES	6 FEET

MATERIAL AND TYPE: SAND GRAVEL | DEPTH TO TOP OF SCREEN: 112 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 5 GPM | DURATION OF PUMPING: 4 HOURS 0 MINS

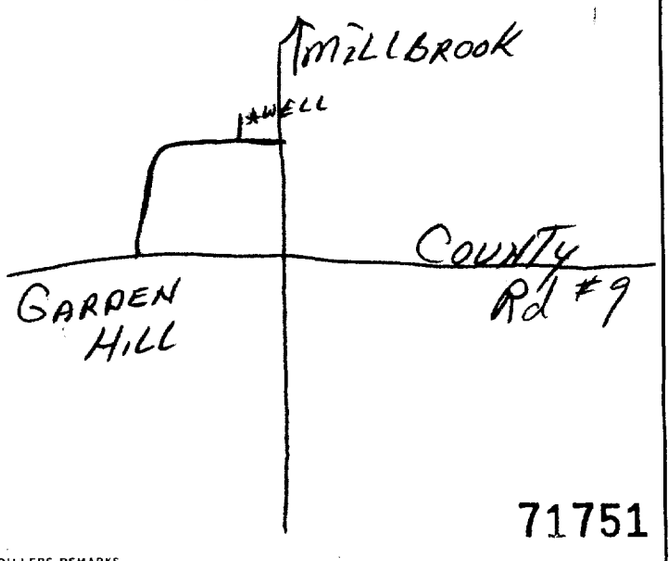
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☒ RECOVERY) 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
80 FEET	110 FEET	100 FEET	80 FEET	80 FEET	80 FEET

IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: 115 FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 115 FEET | RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



71751

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

HOUSE

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KENOE WELL DRLTD | WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: GORES LANDING

NAME OF WELL TECHNICIAN: Darrell Badah | WELL TECHNICIAN'S LICENCE NUMBER: T-0454

SIGNATURE OF TECHNICIAN/CONTRACTOR: Terry Kenoe | SUBMISSION DATE: DAY 07 MO 09 YR 90

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 3129 | DATE RECEIVED: SEP 19 1990

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508988 | MUNICIP 45011 | CON. CON | 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	[redacted] Twp. , Garden Hill	con.7, sub/lot 28	25-27 &15 Pt.14

[redacted]3 Ronlea Ave., Oshawa, Ontario L1H 2X8

DATE COMPLETED 48-53: DAY 03 MO 10 YR 90

ING | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	Top Soil			0	1
Brown	Sand			1	4
Gray	Clay		soft	4	91
Gray	Clay	stones		91	109
Gray	Gravel	stones	water bearing	109	115

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
109-115	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+ 2	112
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
25	6 INCHES	3 FEET

MATERIAL AND TYPE: S.S.

DEPTH TO TOP OF SCREEN: 112 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	22	Benseal & Holeplug

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP (AIR) 2 ☐ BAILER	6 GPM	3 HOURS ___ MINS

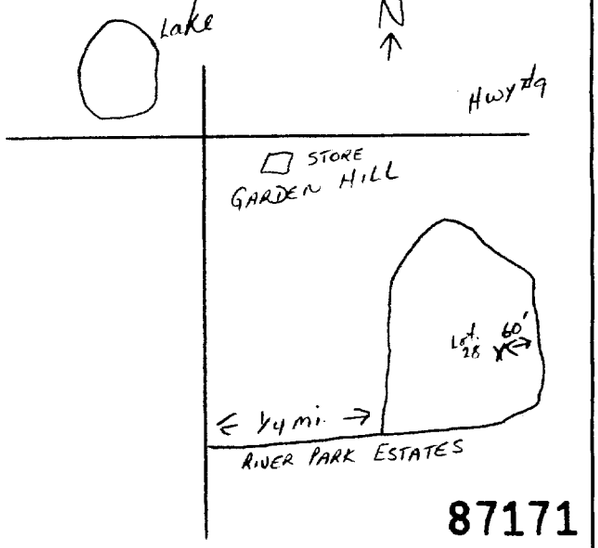
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5 FEET	109 FEET		109 FEET	109 FEET	109 FEET	109 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	108 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



87171

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 2662
ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ontario
NAME OF WELL TECHNICIAN: Charlie Duggan
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: Charlie Duggan
SUBMISSION DATE: DAY ___ MO ___ YR. ___

OFFICE USE ONLY

DATA SOURCE 58 | CONTRACTOR 59-62: 2662 | DATE RECEIVED 63-68: NOV 14 1990
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 4509030 45011 Sublot 07 CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope	Conc. 07	16

[redacted] 914 Dyer Court, Oshawa, ON L1K 1V8

DATE COMPLETED: DAY 20 MO 11 YR 90

RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	Top Soil			0	3
Grey	Clay	Stones		3	10
Grey	Gravel	Clay		10	100
Grey	Silty clay			100	130
Grey	Gravel	Clay, water		130	148
Grey	Limestone	Rock		148	149

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
148	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	149
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	8 GPM	3 HOURS 30 MINS

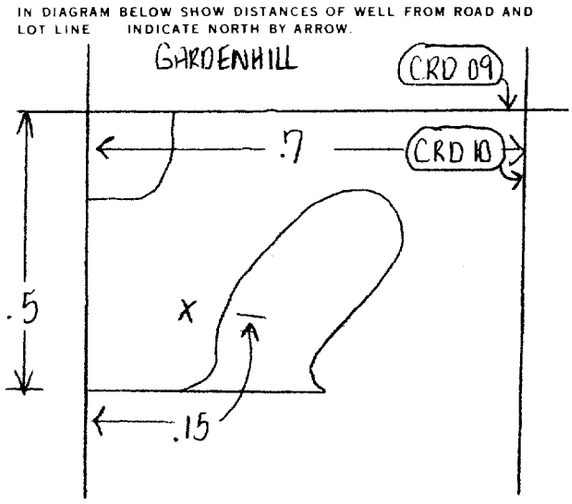
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
05 FEET	100 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
--- GPM	100 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	100 FEET	8 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



90789

DRILLERS REMARKS

FINAL STATUS OF WELL	WATER USE	METHOD OF CONSTRUCTION
1 ☒ WATER SUPPLY	1 ☒ DOMESTIC	1 ☒ CABLE TOOL
2 ☐ OBSERVATION WELL	2 ☐ STOCK	2 ☐ ROTARY (CONVENTIONAL)
3 ☐ TEST HOLE	3 ☐ IRRIGATION	3 ☐ ROTARY (REVERSE)
4 ☐ RECHARGE WELL	4 ☐ INDUSTRIAL	4 ☐ ROTARY (AIR)
5 ☐ ABANDONED, INSUFFICIENT SUPPLY	5 ☐ COMMERCIAL	5 ☐ AIR PERCUSSION
6 ☐ ABANDONED, POOR QUALITY	6 ☐ MUNICIPAL	6 ☐ BORING
7 ☐ UNFINISHED	7 ☐ PUBLIC SUPPLY	7 ☐ DIAMOND
☐ DEWATERING	8 ☐ COOLING OR AIR CONDITIONING	8 ☐ JETTING
	☐ OTHER	9 ☐ DRIVING
	9 ☐ NOT USED	☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: ~~FAULKNER WELL DRILLING CO. LTD.~~ | WELL CONTRACTOR'S LICENCE NUMBER: 2104

ADDRESS: 789 Erskine Avenue, Peterborough

NAME OF WELL TECHNICIAN: George Babcock | WELL TECHNICIAN'S LICENCE NUMBER: 10414

SIGNATURE OF TECHNICIAN/CONTRACTOR | SUBMISSION DATE: DAY 20 MO 11 YR 90

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 2104 | DATE RECEIVED: DEC 10 1990

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4509203 45011 CON

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

Sublot-08 Plan-Woodlands of Garden Hill 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Hope	Conc. 08	16

[redacted] 5 Fostercreek Court, Newcastle, L1B 1E6

DATE COMPLETED: DAY 14 MO 06 YR 91

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top Soil			0	1
Grey	Sand	Clay		1	97
Grey	Clay			97	118
Grey	Gravel	Clay		118	124
Grey	Clay			124	156
Grey	Gravel	Clay		156	160

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
160	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	160
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

PUMPING TEST

71

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	5 GPM	6 HOURS 30 MINS

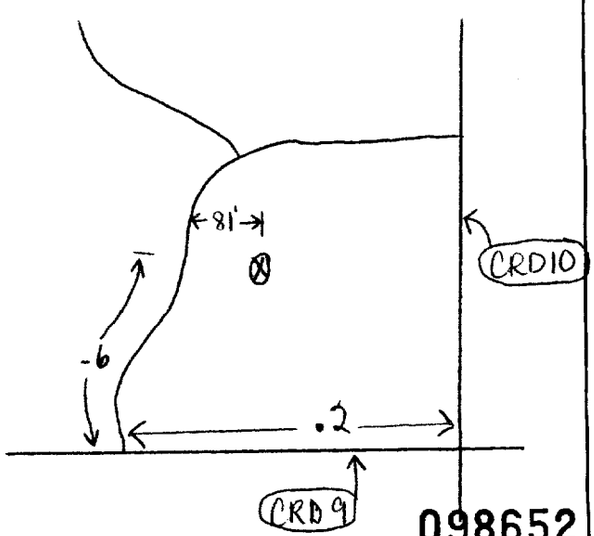
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
45 FEET	145 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	145 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	145 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

098652

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
FAULKNER WELL DRILLING CO. LTD.	2104

ADDRESS: 789 Erskine Avenue, Peterborough

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Robert McLean	1013

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]

SUBMISSION DATE: DAY 14 MO 06 YR 91

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	2104	JUN 21 1991

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 . 4509418 MUNICIP 450111 CON. CON 108

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	HOPE	8	17

[redacted] ARDEN HILL, ONTARIO.

DATE COMPLETED: DAY 11 MO 7 YR 91

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0	2
WHITE	CLAY			2	20
GREY	CLAY	GRAVEL, SAND		20	90
BROWN	SAND	GRAVEL	COARSE	90	94

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
94	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
61	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	94
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	6'10" FEET

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 87'2" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	10	BENSEAL GROUT

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	8 GPM	3 HOURS 00 MINS

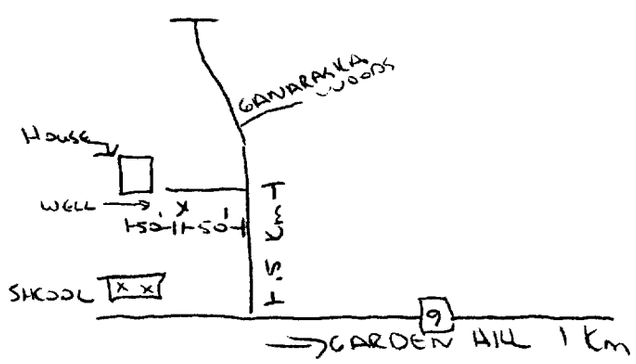
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
45 FEET	84 FEET		FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	93 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 105359

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☒ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELL DRILLING Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 4635
ADDRESS: RR#2 CAVAN, ONTARIO. LOA 1C0
NAME OF WELL TECHNICIAN: ROBERT RUTH
WELL TECHNICIAN'S LICENCE NUMBER: t- 291
SIGNATURE OF TECHNICIAN/CONTRACTOR
SUBMISSION DATE: DAY 12 MO 7 YR 91

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 4635 | DATE RECEIVED OCT 07 1991
DATE OF INSPECTION | INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4509564 — MUNICIP 45011 — CON. CON 07

COUNTY OR DISTRICT: [redacted] — TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [illegible]E — CON., BLOCK, TRACT, SURVEY, ETC: — 7 — LOT 15

DATE COMPLETED: DAY 14 MO 02 YR 92

[redacted] GARDEN HILL) 350 WEBB DR

[illegible] MISSISSAUGA, ONT. L5B 3W4

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BRN	Top Soil		Soft	0	2
BRN	Sand		Soft	2	10
Gry	Clay		Soft	10	120
Gry	Sand		Soft	120	130
Gry	Gravel		Hard	130	135

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
135	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 5/8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	135
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
30	5 INCHES	6 FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
GRAVEL	129 FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	20	BENSEAL

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 10 GPM — DURATION OF PUMPING: 4 HOURS 0 MINS

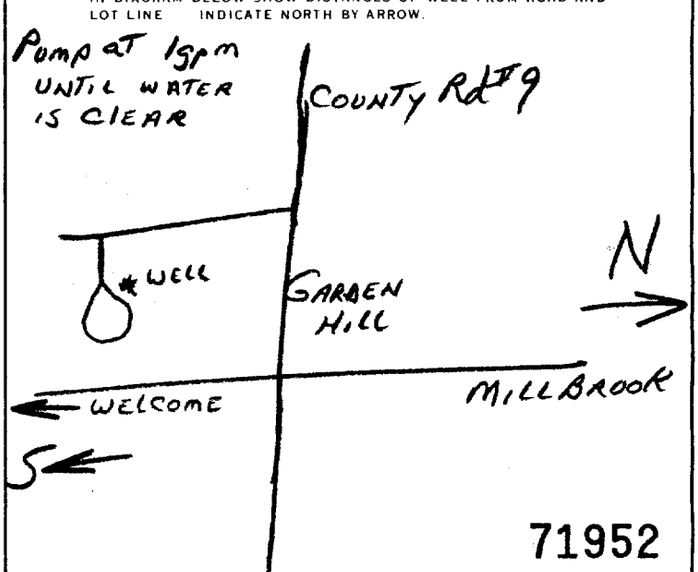
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
[redacted] FEET	50 FEET	15 MINUTES: 60 FEET	30 MINUTES: 60 FEET	45 MINUTES: 60 FEET	60 MINUTES: 60 FEET

IF FLOWING, GIVE RATE: — GPM — PUMP INTAKE SET AT: 100 FEET — WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP — RECOMMENDED PUMP SETTING: 100 FEET — RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



71952

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KEHOE WELL DR LTD — WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: GORES LANDING, ONT.

NAME OF WELL TECHNICIAN: [redacted] — WELL TECHNICIAN'S LICENCE NUMBER: 0454

SIGNATURE OF TECHNICIAN/CONTRACTOR: Jerry Kehoe — SUBMISSION DATE: DAY 18 MO 02 YR 92

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 3129 — DATE RECEIVED: FEB 21 1992

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4509592 — MUNICIP 4501 — CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	[redacted]	8	15

DATE COMPLETED: DAY 5 MO 3 YR 92

[redacted] HORNCROFT CRES. AJAX L1S 2S2

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BR	TOP SOIL		TOP SOIL	0	1
BR	CLAY		CLAY	1	5
BL	CLAY		CLAY	5	26
BR	SAND	GRAVEL	SAND	26	49
BL	CLAY	GRAVEL	SILTY CLAY	49	63
BR	SAND	GRAVEL	COARSE SAND	63	67

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
27 + 67	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	67'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0	12	BENSEAL

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 20 GPM

DURATION OF PUMPING: 2 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	13 FEET		13 FEET	13 FEET	13 FEET	13 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 50 FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

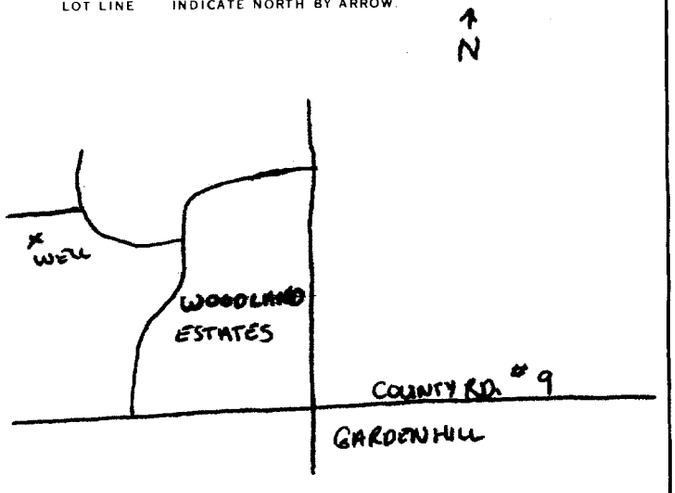
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 50 FEET

RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



71977

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KEHOE WELL DRILLING LTD. — WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: P.O. BOX 119, GORES LANDING, ONT.

NAME OF WELL TECHNICIAN: D. ROWDEN / TERRY KEHOE — WELL TECHNICIAN'S LICENCE NUMBER: 0077

SIGNATURE OF TECHNICIAN/CONTRACTOR: Terry Kehoe — SUBMISSION DATE: DAY 10 MO 3 YR 92

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 3129 — DATE RECEIVED: MAR 16 1992

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 4509729 MUNICIP 450.11 CON. CON 08

COUNTY OR DISTRICT: [redacted]

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Harvey Twp.

CON., BLOCK, TRACT, SURVEY, ETC: con. 8, Plan 9M732, S/L 30

LOT: 15

[redacted] Kingston Rd., Apt. 109, West Hill, Ontario

DATE COMPLETED: DAY 03 MO 02 YR 92

21 | M | 12 | 17 | 18 | 24 | RC 25 | ELEVATION 26 | RC 30 | BASIN CODE 31 | II | III | IV | 47

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Topsoil	stones	frozen	0	1
Brown	Fine Sand	silt	loose	1	8
Gray	Clay		soft	8	130
Gray	Clay	gravel	hard	130	140
Brown	Gravel	fine sand, silt	tight	140	148
Brown	Limestone			148	

31

32 | 1 | 2 | 10 | 14 | 15 | 21 | 32 | 43 | 54 | 65 | 75 | 80

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
144-148	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+ 2½	144
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
12	6 INCHES	4 FEET

MATERIAL AND TYPE: S.S.

DEPTH TO TOP OF SCREEN: 144 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Benseal/Mud Slurry

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	3 GPM	50 HOURS ___ MINS

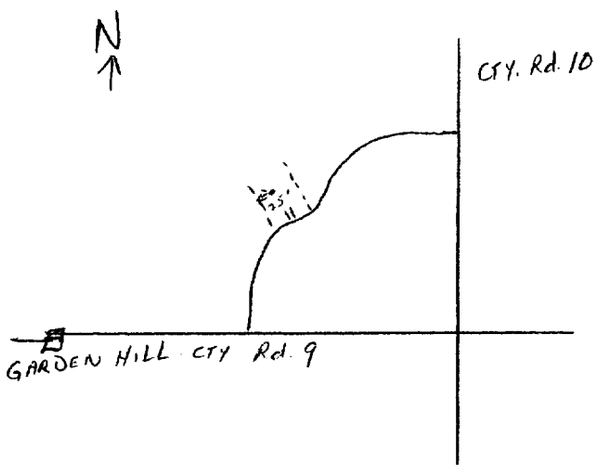
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
25 FEET	104 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	104 FEET	104 FEET	104 FEET	104 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	135 FEET	2 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 103591

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED INSUFFICIENT SUPPLY 6 ☐ ABANDONED POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.

WELL CONTRACTOR'S LICENCE NUMBER: 2662

ADDRESS: Box#850, R.R.#1, Fenelon Falls, Ontario

NAME OF WELL TECHNICIAN: Greg Bullock

WELL TECHNICIAN'S LICENCE NUMBER:

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]

SUBMISSION DATE: DAY ___ MO 1 YR 4

OFFICE USE ONLY

DATA SOURCE: CONTRACTOR 2662

DATE RECEIVED: JUL 06 1992

DATE OF INSPECTION:

INSPECTOR:

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4509846 — MUNICIP 4501 — CON. CON — 08

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: CAMPBELLCROFT
CON: 8
LOT: 14
DATE COMPLETED: DAY 05 MO 08 YR 92
LOA-1B0

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BRN	TopSoil		SOFT	0	2
GRY	Clay		SOFT	2	50
GRY	QUICK SAND		SOFT	50	75
GRY	Clay		SOFT	75	113
GRY	GRAVEL		HARD	113	115

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
115	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 5/8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	115
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	20	BENSEAL
		20' TRIM PIPE

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	10 GPM	4 HOURS 0 MINS

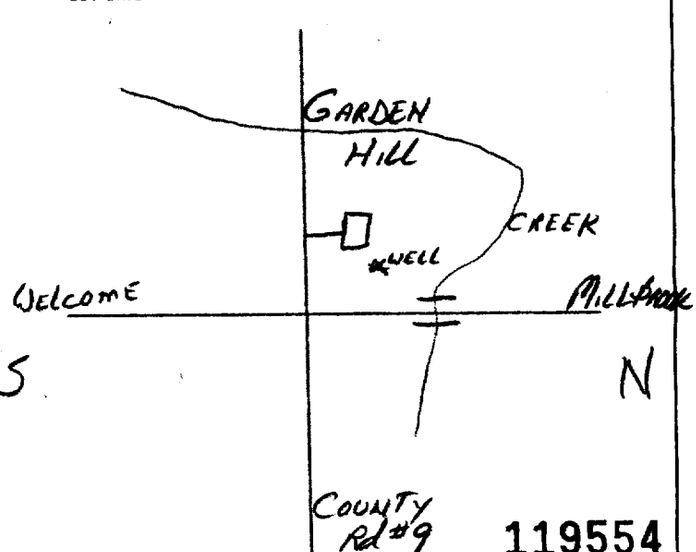
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
0 FEET	0 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	10 FEET	10 FEET	10 FEET	10 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
5 GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	25 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 119554

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: FENELLA WELL DRL.
WELL CONTRACTOR'S LICENCE NUMBER: 6418.
ADDRESS: RR#4 ROSENEATH K0K-2X0
NAME OF WELL TECHNICIAN: DARRELL BADLUK
WELL TECHNICIAN'S LICENCE NUMBER: T-0454
SIGNATURE OF TECHNICIAN/CONTRACTOR: Darrell Badluk
SUBMISSION DATE: DAY 12 MO 08 YR 92

OFFICE USE ONLY

DATA SOURCE 58 — CONTRACTOR 59-62: 6418 — DATE RECEIVED 63-68: OCT 01 1992
DATE OF INSPECTION — INSPECTOR
REMARKS: Report Copy Walk of Sept 2/92 KY

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4509875 — MUNICIP. 450 — CON. CON — 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	[redacted]	8	17

[redacted] HWY 1 CAMPBELLCROFT ONT

DATE COMPLETED: DAY 27 MO 04 YR 92

RC. — ELEVATION — RC. — BASIN CODE — II — III — IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0	2
BROWN	SAND	CLAY		2	15
WHITE	CLAY	GRAVEL SAND		15	110
BROWN	SAND	CLAY		110	120
BROWN	SAND			120	127

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
127	1 ☑ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	121
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10-12	5 INCHES	10 FEET

MATERIAL AND TYPE: S-STEEL

DEPTH TO TOP OF SCREEN: 117 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	10	EZ-BENSEAL

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☑ BAILER	8 GPM	2 HOURS 00 MINS

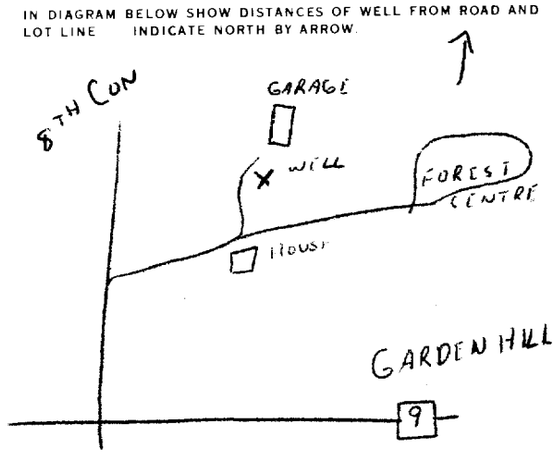
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
75 FEET	122 FEET	1 ☑ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	126 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	126 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



WELL TO GARAGE — 20'
WELL TO ROAD — 194

DRILLERS REMARKS: 111130

FINAL STATUS OF WELL	1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☑ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELLDRILLING LTD
WELL CONTRACTOR'S LICENCE NUMBER: 4635

ADDRESS: RR#2 CAVAN ONT

NAME OF WELL TECHNICIAN: DOUG RUTH
WELL TECHNICIAN'S LICENCE NUMBER: 4635

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY 27 MO. 04 YR. 92

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 4635 | DATE RECEIVED: NOV 05 1992

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4509876 — MUNICIP. 45011 — CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	CAMPBELLCROFT ONT	8	17

DATE COMPLETED: DAY 20 MO 04 YR 92

RC. — ELEVATION — RC. — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0	2
BROWN	SAND	CLAY		2	15
WHITE	CLAY	GRAVEL		15	140
GREY	LIMESTONE		MEDIUM	140	145

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13	1 ☑ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
10-11	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			13-16
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			20-23
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			27-30

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 31-33	DIAMETER 34-38 INCHES	LENGTH 39-40 FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 41-44 FEET	10

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0 10-13	145 14-17	FZ - BENSEAL
18-21	22-25	GLACIAL TILL
26-29	30-33	80

71 PUMPING TEST

PUMPING TEST METHOD 10	PUMPING RATE 11-14 GPM	DURATION OF PUMPING 15-16 HOURS 17-18 MINS

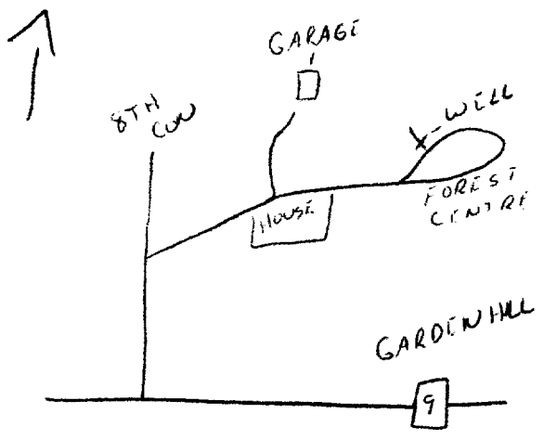
STATIC LEVEL 19-21 FEET	WATER LEVEL END OF PUMPING 22-24 FEET	25 WATER LEVELS DURING 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES 26-28 FEET	30 MINUTES 29-31 FEET	45 MINUTES 32-34 FEET	60 MINUTES 35-37 FEET

IF FLOWING, GIVE RATE 38-41 GPM	PUMP INTAKE SET AT FEET	WATER AT END OF TEST 42 1 ☐ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE ☐ SHALLOW ☐ DEEP	RECOMMENDED PUMP SETTING 43-45 FEET	RECOMMENDED PUMPING RATE 46-49 GPM

50-53

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 111129

FINAL STATUS OF WELL (54)

1 ☐ WATER SUPPLY — 5 ☑ ABANDONED, INSUFFICIENT SUPPLY
2 ☐ OBSERVATION WELL — 6 ☐ ABANDONED, POOR QUALITY
3 ☐ TEST HOLE — 7 ☐ UNFINISHED
4 ☐ RECHARGE WELL — ☐ DEWATERING

WATER USE (55-56)

1 ☑ DOMESTIC — 5 ☐ COMMERCIAL
2 ☐ STOCK — 6 ☐ MUNICIPAL
3 ☐ IRRIGATION — 7 ☐ PUBLIC SUPPLY
4 ☐ INDUSTRIAL — 8 ☐ COOLING OR AIR CONDITIONING
☐ OTHER — 9 ☐ NOT USED

METHOD OF CONSTRUCTION (57)

1 ☑ CABLE TOOL — 6 ☐ BORING
2 ☐ ROTARY (CONVENTIONAL) — 7 ☐ DIAMOND
3 ☐ ROTARY (REVERSE) — 8 ☐ JETTING
4 ☐ ROTARY (AIR) — 9 ☐ DRIVING
5 ☐ AIR PERCUSSION — ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELLDRILLING LTD
WELL CONTRACTOR'S LICENCE NUMBER: 4635
ADDRESS: RR#2 CAVAN
NAME OF WELL TECHNICIAN: DOUG RUTH
WELL TECHNICIAN'S LICENCE NUMBER: T-1837
SIGNATURE OF TECHNICIAN/CONTRACTOR
SUBMISSION DATE: DAY 20 MO 04 YR 92

OFFICE USE ONLY

DATA SOURCE 58 — CONTRACTOR 59-62: 4635 — DATE RECEIVED 63-66: NOV 05 1992
DATE OF INSPECTION — INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 4509915 MUNICIP. 45011 CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]		CONC. 07	15

[redacted] CAVAN STREET, PORT HOPE L1A 3B9

DATE COMPLETED: DAY 03 MO 12 YR 92

RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
Brown	Top Soil		Medium	0	2
Grey	Clay		Soft	2	125
Grey	Gravel		Hard	125	130

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
125-130	XX FRESH ☐ SALTY ☐ SULPHUR ☐ MINERALS ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6¼"	☒ STEEL	.188	0	130

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	☐ PUMP ☒ BAILER
PUMPING RATE	20 GPM
DURATION OF PUMPING	1 HOURS 0 MINS
STATIC LEVEL	10 FEET
WATER LEVEL END OF PUMPING	50 FEET
WATER LEVELS DURING	XX PUMPING ☐ RECOVERY
15 MINUTES	20 FEET
30 MINUTES	40 FEET
45 MINUTES	50 FEET
60 MINUTES	50 FEET
IF FLOWING, GIVE RATE	— GPM
PUMP INTAKE SET AT	100 FEET
WATER AT END OF TEST	XX CLEAR ☐ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW XX DEEP
RECOMMENDED PUMP SETTING	100 FEET
RECOMMENDED PUMPING RATE	20 GPM

FINAL STATUS OF WELL

XX WATER SUPPLY; ☐ OBSERVATION WELL; ☐ TEST HOLE; ☐ RECHARGE WELL; ☐ ABANDONED, INSUFFICIENT SUPPLY; ☐ ABANDONED, POOR QUALITY; ☐ UNFINISHED; ☐ DEWATERING

WATER USE

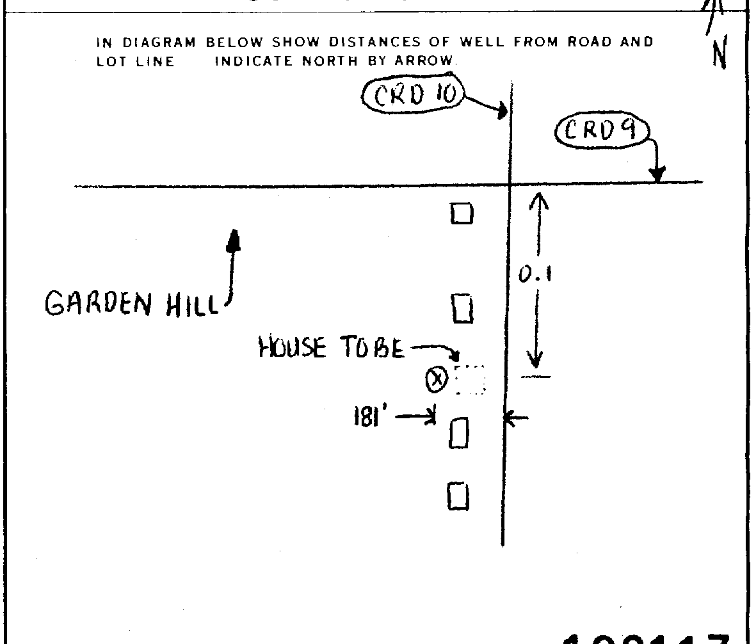
XX DOMESTIC; ☐ STOCK; ☐ IRRIGATION; ☐ INDUSTRIAL; ☐ OTHER; ☐ COMMERCIAL; ☐ MUNICIPAL; ☐ PUBLIC SUPPLY; ☐ COOLING OR AIR CONDITIONING; ☐ NOT USED

METHOD OF CONSTRUCTION

XX CABLE TOOL; ☐ ROTARY (CONVENTIONAL); ☐ ROTARY (REVERSE); ☐ ROTARY (AIR); ☐ AIR PERCUSSION; ☐ BORING; ☐ DIAMOND; ☐ JETTING; ☐ DRIVING; ☐ DIGGING; ☐ OTHER

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

128117

CONTRACTOR

NAME OF WELL CONTRACTOR: FAULKNER WELL DRILLING CO. LTD.
WELL CONTRACTOR'S LICENCE NUMBER: 2104
ADDRESS: 739 Erskine Avenue, Peterborough
NAME OF WELL TECHNICIAN: David Fisher
WELL TECHNICIAN'S LICENCE NUMBER: T0231
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 04 MO. 12 YR. 92

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 2104 | DATE RECEIVED JAN 12 1993
DATE OF INSPECTION | INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4509964

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

45011 MUNICIP. CON. CON WOODLANDS ESTATES LOT 07

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: GOPE
CON: 7
BLOCK, TRACT, SURVEY, ETC:
LOT: 18
[redacted] 55 OLD SCUGOG RD
DATE COMPLETED: DAY 25 MO 3 YR 93

RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0'	1'
GR.	CLAY		CLAY	1'	66'
BR.	SAND		SAND	66'	68.5
	GRAVEL		GRAVEL	68.5	70'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
70	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0'	70
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
—	—	—

MATERIAL AND TYPE: —
DEPTH TO TOP OF SCREEN FEET: —

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0	20	BENSEAL

71 PUMPING TEST

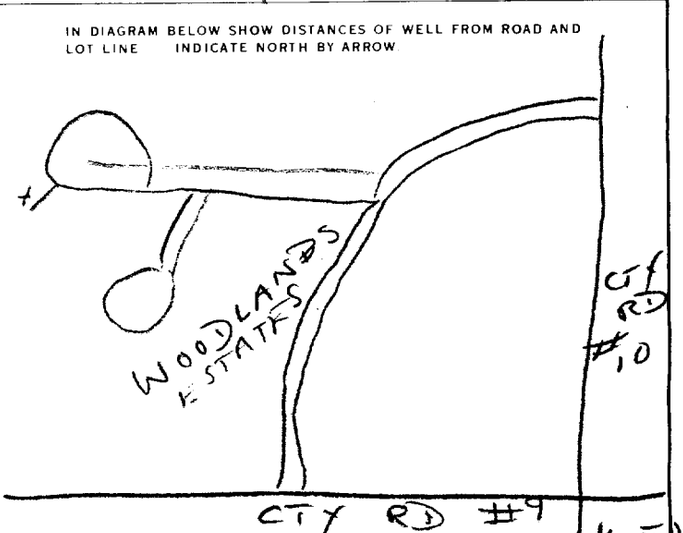
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 10 GPM
DURATION OF PUMPING: 1 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
14 FEET	18 FEET		16 FEET	18 FEET	18 FEET	18 FEET

IF FLOWING GIVE RATE: GPM
PUMP INTAKE SET AT: 65 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 65 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW



DRILLERS REMARKS: 119163

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KEHOE WELL DRILLING
WELL CONTRACTOR'S LICENCE NUMBER: 3129
ADDRESS: P.O. Box 119 GORES LANDING ONT
NAME OF WELL TECHNICIAN: DENNIS KEHOE
WELL TECHNICIAN'S LICENCE NUMBER: 0079
SIGNATURE OF TECHNICIAN/CONTRACTOR: D. Kehoe
SUBMISSION DATE: DAY 25 MO 3 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 3129
DATE RECEIVED: APR 07 1993
DATE OF INSPECTION
INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4510075

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

MUNICIP. 4501 | CON. CON | 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON	BLOCK, TRACT, SURVEY, ETC	LOT
NORTHUMBERLAND	HOPE	7		18

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
GARDEN HILL DEV. LTD	GARDEN HILL, ONT	DAY 5 MO 8 YR 93

21 | UTM ZONE | EASTING | NORTHING | RC | ELEVATION | RC | BASIN CODE I II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BR			TOP SOIL	0'	1
BR			CLAY	1'	20
BL		SOFT	CLAY	20'	120'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
120	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0'	120'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE: PEA STONE	DEPTH TO TOP OF SCREEN: 118 FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	20	BENSEAL/CEMENT

71 PUMPING TEST

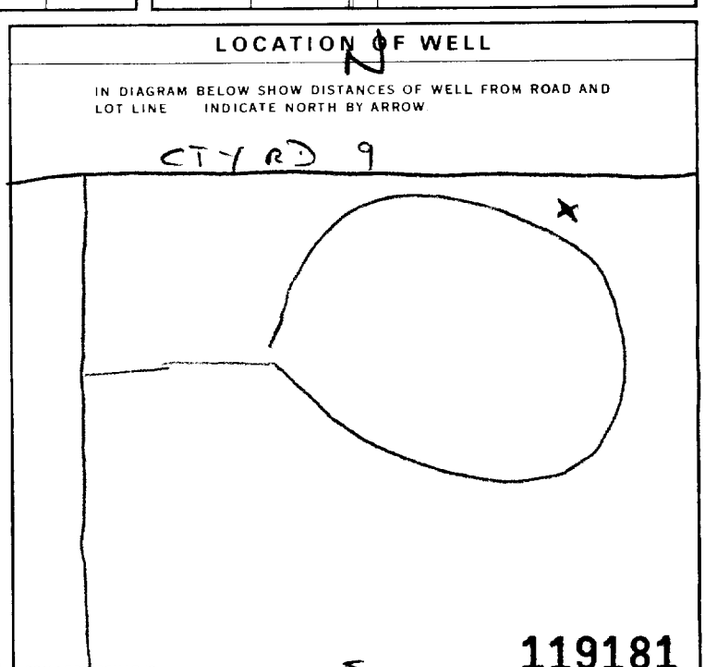
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	5 GPM	1 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
0' FEET	OVERF FEET		LOW 4 FEET	NG 5 FEET	6 FEET	7 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	116 FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	116 FEET	4 - 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: S

119181

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KEHOE WELL DRILLING — WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: BOX 119 GORES LANDING, ONT

NAME OF WELL TECHNICIAN: TKEHOE/C. KEHOE — WELL TECHNICIAN'S LICENCE NUMBER: 0077

SIGNATURE OF TECHNICIAN/CONTRACTOR: Jerry Kehoe — SUBMISSION DATE: DAY 5 MO 8 YR 93

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 3129 — DATE RECEIVED: AUG 16 1993

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4510092 | MUNICIP 45011 | CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY ETC	LOT
[redacted]	[redacted]PE	7	36

[redacted] ORILLIA, ONT

DATE COMPLETED: DAY 23 MO 9 YR 93

RC | ELEVATION | RC | BASIN CODE 6HI2

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0'	1'
GR			CLAY	1'	123'
BR	FINE	SILT	SAND + SILT	123	129'
GR			CLAY	129	134'
	MED	SAND	SAND + WATER	134	138.5

31

32 ... 7/5 Withhead

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
138'	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0'	138.5
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO)	DIAMETER	LENGTH
# 14	5 INCHES	4 FEET

MATERIAL AND TYPE: S/S
DEPTH TO TOP OF SCREEN: 131 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0'	20'	BENSEAL / CEMENT

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☑ BAILER
PUMPING RATE: 8 GPM
DURATION OF PUMPING: 6 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10' FEET	112 FEET	68 FEET	88 FEET	112 FEET	112 FEET

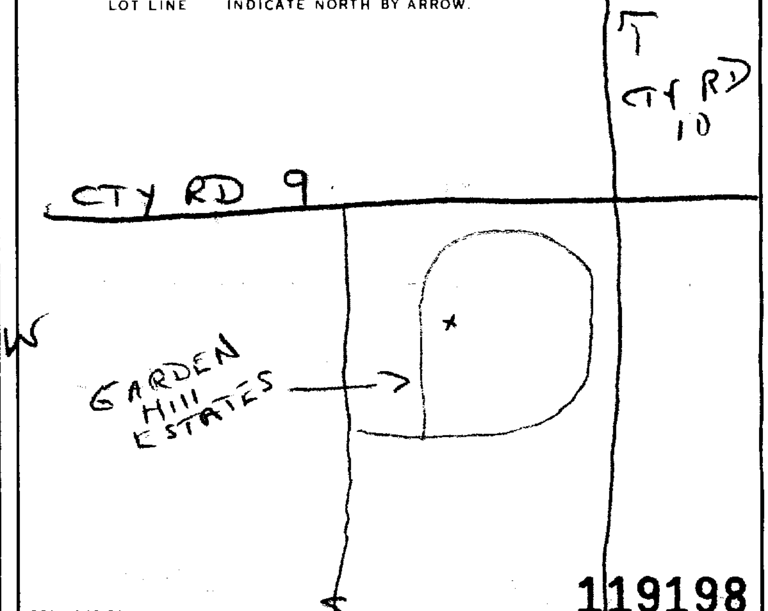
WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY

IF FLOWING GIVE RATE: GPM
PUMP INTAKE SET AT: 125 FEET
WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING: 125 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



119198

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☑ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED
☐ DEWATERING

WATER USE

1 ☑ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☑ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING
☐ DIGGING
☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KEHOE WELL DRILLING LTD
WELL CONTRACTOR'S LICENCE NUMBER: 3129
ADDRESS: P.O. Box 119 GORES LANDING ON
NAME OF WELL TECHNICIAN: T. KEHOE / R DOYLE
WELL TECHNICIAN'S LICENCE NUMBER: T0079
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 25 MO 9 YR 93

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 3129 | DATE RECEIVED SEP 27 1993
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4510211 | MUNICIP 45011 | CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	TWP of HOPE	CON 7	17

[redacted] ARDEN HILL, ONTARIO.

DATE COMPLETED: DAY 26 MO 4 YR 93

RC. | ELEVATION | RC. | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND			0	3
GREY	CLAY			3	25
GREY	CLAY	GRAVEL		25	50
GREY	GRAVEL			50	60
GREY	CLAY			60	75
BROWN	SAND		FINE	75	80

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
80	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	80
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	6'8" FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
STAINLESS STEEL	73'4" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	10	BENSEAL GROUT

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 5 GPM

DURATION OF PUMPING: 3 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
45 FEET	75 FEET	75 FEET	75 FEET	75 FEET	75 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

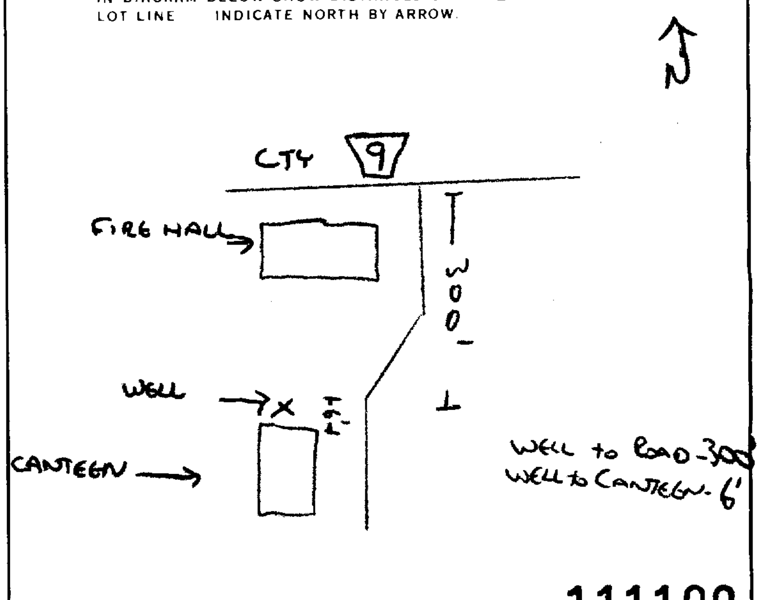
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 79 FEET

RECOMMENDED PUMPING RATE: 3 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



111100

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED
☐ DEWATERING

WATER USE

1 ☐ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☒ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING
☐ DIGGING
☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELL DRILLING Ltd.

WELL CONTRACTOR'S LICENCE NUMBER: 4635

ADDRESS: R.R.#2 CAVAN, ONTARIO. LOA ICO

NAME OF WELL TECHNICIAN: BOB RUTH

WELL TECHNICIAN'S LICENCE NUMBER: T-292

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]

SUBMISSION DATE: DAY 14 MO 5 YR 93

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 4635 | DATE RECEIVED FEB 10 1994

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4510271 — MUNICIP 450.11 — CON. CON 07

COUNTY OR DISTRICT: [redacted]

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted]

CON. BLOCK, TRACT, SURVEY, ETC: CONC. 07, SUBLOT-GARDEN HILL — LOT: 16

[redacted].# 1 CAMPBELLCROFT, ONTARIO LOA 1B0

DATE COMPLETED: DAY 09 MO 06 YR 94

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	TOP SOIL			0	2
BROWN	CLAY	SAND	SOFT	2	20
GREY	CLAY			20	45
BROWN	SAND	GRAVEL		45	50

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
45	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☒ GAS — UNTESTED
to	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
50	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	44
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
12	6 INCHES	8 FEET

MATERIAL AND TYPE: STAINLESS — DEPTH TO TOP OF SCREEN: 40 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 7 GPM — DURATION OF PUMPING: 1 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
24 FEET	42 FEET		42 FEET	42 FEET	42 FEET	42 FEET

IF FLOWING, GIVE RATE: --- GPM

PUMP INTAKE SET AT: 44 FEET

WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

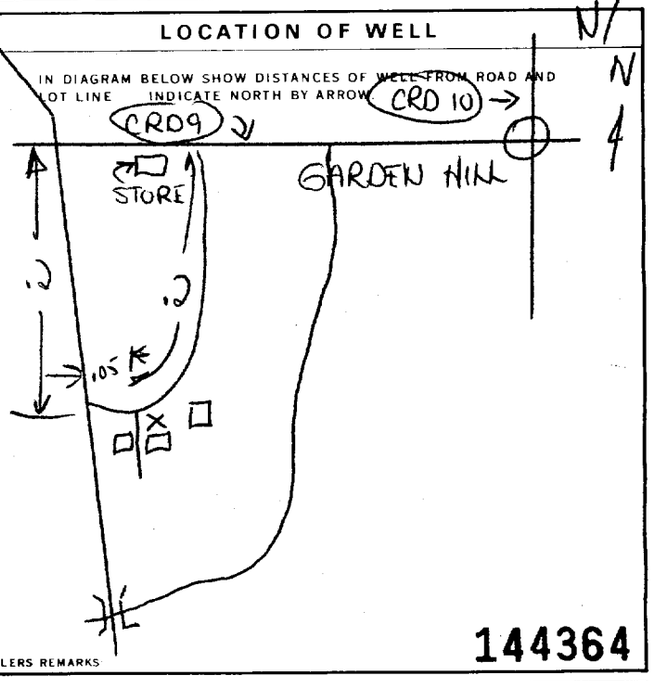
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 44 FEET

RECOMMENDED PUMPING RATE: 6 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 144364

FINAL STATUS OF WELL
1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; ☐ DEWATERING

WATER USE
1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF CONSTRUCTION
1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: FAULKNER WELL DRILLING CO. LTD. — WELL CONTRACTOR'S LICENCE NUMBER: 2104

ADDRESS: 789 ERSKINE AVENUE, PETERBOROUGH K9J 5V1

NAME OF WELL TECHNICIAN: SCOTT MILLER — WELL TECHNICIAN'S LICENCE NUMBER: T-2338

SIGNATURE OF TECHNICIAN/CONTRACTOR: James A Faulkner

SUBMISSION DATE: DAY 10 MO 06 YR 94

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 2104 — DATE RECEIVED: JUN 30 1994

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4510286 | MUNICIP. 45011 | CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
[redacted]	Courtice	8 Sub lot 27 Plan9M-732	16

DATE COMPLETED 48-53: DAY 3 MO 5 YR 94

21 | RC. | ELEVATION | RC. | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top Soil		Soft	0	2
Brown	Sand		Packed	2	18
Grey	Clay		Dense	18	110
Grey	Gravel	Clay	Packed	110	118
Grey	Clay & Gravel		Cemented	118	151
Grey	Limestone		Hard	151	156
		(Chlorianted well)			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
156	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
untested	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6-1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	151
6-1/4	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		151	156
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
20	8	Holeplug
8	0	sand & Clay

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 8 GPM
DURATION OF PUMPING: 3 HOURS 00 MINS

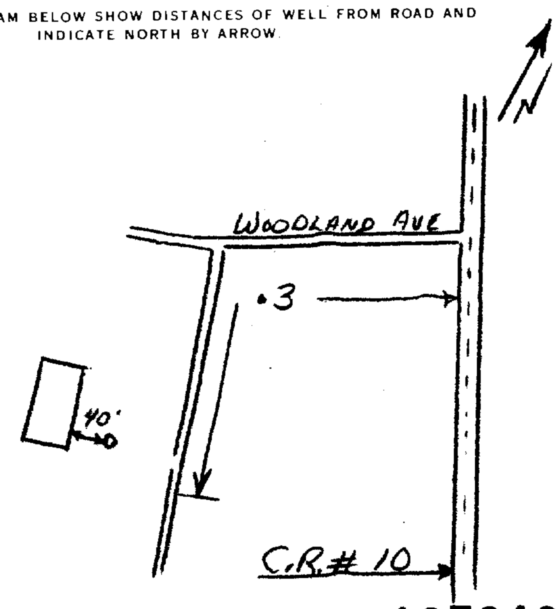
STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
20 FEET	140 FEET	80 FEET	110	130 FEET	140 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 146 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



137242

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED
☐ DEWATERING

WATER USE

1 ☒ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING
☐ DIGGING
☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Herb Lang Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 3367
ADDRESS: R. R. #1 Omemee, Ontario
NAME OF WELL TECHNICIAN: Dave Fisher
WELL TECHNICIAN'S LICENCE NUMBER: T0231
SIGNATURE OF TECHNICIAN/CONTRACTOR: Herb Lang
SUBMISSION DATE: DAY 12 MO. 5 YR. 94

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 3367 | DATE RECEIVED JUN 02 1994
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4510287 | MUNICIP 4501 | CON. CON | 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	pe	8 Sub lot 26 Plan 9M-732	16
	rtice	DATE COMPLETED DAY 5 MO 5 YR 94	

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Fill	Clay	Loose	0	5
Brown	Clay		Packed	5	18
Grey	Clay		Dense	18	80
Grey	Clay & Gravel		Packed	80	87
Brown	Coarse water gravel & Sand		Loose	87	90
		Chlorinated well			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
90	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
untested	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6-1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	90
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
20	8	Holeplug
8	0	Sand & Clay

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	20 GPM	2 HOURS 00 MINS

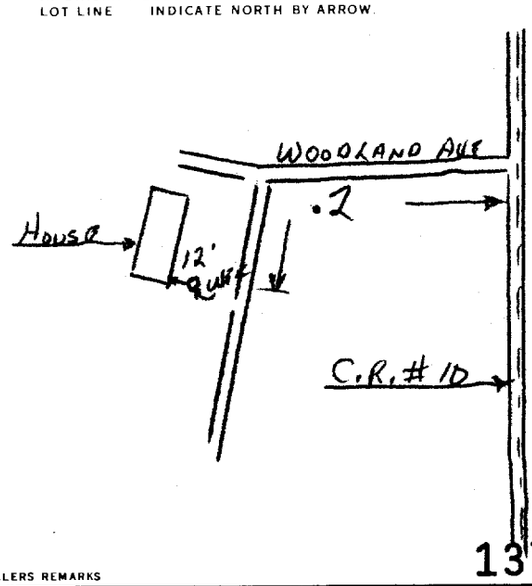
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
2 FEET	70 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	50 FEET	60 FEET	65 FEET	70 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	80 FEET	8 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

137241

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Herb Lang Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 3367
ADDRESS: R. R. #1 Omemee, Ontario
NAME OF WELL TECHNICIAN: Dave Fisher
WELL TECHNICIAN'S LICENCE NUMBER: T0231
SIGNATURE OF TECHNICIAN/CONTRACTOR: Herb Lang
SUBMISSION DATE: DAY 12 MO 5 YR 94

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 3367 | DATE RECEIVED JUN 02 1994
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4510288 | MUNICIP. 4501 | CON. CON | 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Campbellcroft	8 Plan 9M732 lot 6	15

DATE COMPLETED: DAY 2 MO 6 YR 94

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sand		Packed	0	20
Grey	Clay		Dense	20	120
Grey	Clay & Gravel		Packed	120	160
Grey	Limestone		Hard	160	164
		Chlorinated well			

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
165	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
untested	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6-1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	160
6-1/4	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		160	164
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER (INCHES)	LENGTH (FEET)

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN (FEET)

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10	8	Holeplug
8	0	Sand

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	8 GPM	2 HOURS 00 MINS

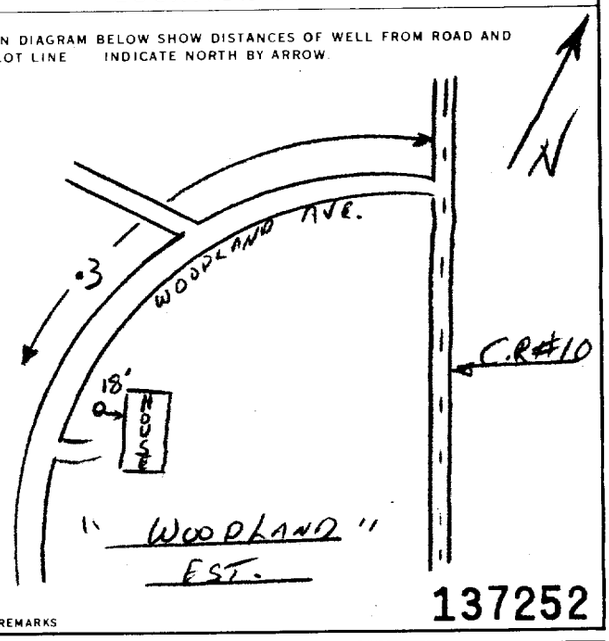
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
15 FEET	150 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	95 FEET	145 FEET	150 FEET	150 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	154 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

137252

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Herb Lang Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 3367
ADDRESS: R.R. #1 Omemee, Ontario
NAME OF WELL TECHNICIAN: Dave Fisher
WELL TECHNICIAN'S LICENCE NUMBER: T-0231
SIGNATURE OF TECHNICIAN/CONTRACTOR: Herb Lang
SUBMISSION DATE: DAY 7 MO 6 YR 94

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 3367 | DATE RECEIVED JUN 23 1994
DATE OF INSPECTION | INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 4511200

Municipality 45011 Con. CON 07
Sub Lot 32

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
NORTHUMBERLAND	HOPE	& 7	16

Owner's surname [redacted] First name

Address: 7 VICTORIA STREET NORTH PORT HOPE

Date completed: 31 day 7 month 97 year

21 — Zone | Easting | Northing | RC | Elevation | RC | Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BROWN	CLAY	STONES	MEDIUM	0	130
GREY	CLAY		SOFT	26	128
BROWN	SAND	GRAVEL	FINE	128	134

31
32

41 WATER RECORD

Water found at – feet	Kind of water
128	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
134	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6¼"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188	0	130
6"	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	SCREEN	130	134
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
10	6 inches	4 feet

Material and type: STAINLESS STEEL
Depth at top of screen: 130 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)
8	21	BENSEAL GROUT

71 PUMPING TEST

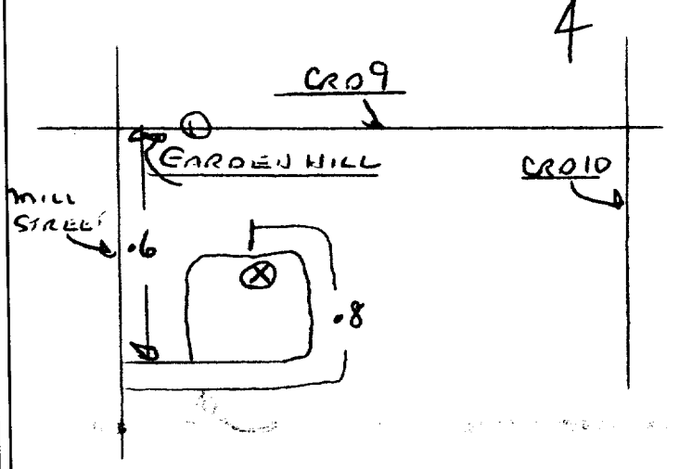
Pumping test method: 1 [ ] Pump 2 [X] Bailer
Pumping rate: 4 GPM
Duration of pumping: 2 Hours ..... Mins

Static level	Water level end of pumping	Water levels during: 1 [ ] Pumping 2 [X] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
6 feet	128 feet	97 feet	67 feet	49 feet	31 feet

If flowing give rate: -- GPM
Pump intake set at: 128 feet
Water at end of test: [X] Clear [ ] Cloudy
Recommended pump type: [ ] Shallow [X] Deep
Recommended pump setting: 128 feet
Recommended pump rate: 3 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



173626

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well
5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering
9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

1 [X] Domestic 2 [ ] Stock 3 [ ] Irrigation 4 [ ] Industrial
5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning
9 [ ] Not used 10 [ ] Other .....

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air)
5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting
9 [ ] Driving 10 [ ] Digging 11 [ ] Other .....

Name of Well Contractor	Well Contractor's Licence No.
FAULKNER WELL DRILLING CO LTD	2104
Address: 789 ERSKINE AVENUE PETERBOROUGH ONT.	
Name of Well Technician: DONALD MILLER	Well Technician's Licence No.: T-0014
Signature of Technician/Contractor	Submission date: 1 day 8 mo 97 yr

MINISTRY USE ONLY

Data source | Contractor: 2104 | Date received: AUG 12 1997
Date of inspection | Inspector
Remarks

0506 (07/94) Front Form 9

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

UTM 17 Z 708434 E
9 R 4881393 N
Elev. 9 R 0560
Basin 24 W

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

Tp. No. 2126

Water-Well Record

County or Territorial District DURHAM Township, ~~Village, Town or City~~ HOPE

[redacted] Village, Town or City)

[redacted] Address CARRY MILL

Date completed ..... (day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 6 1/4"
Length(s) 117 FT
Type of screen —
Length of screen —

Pumping Test

Static level 60 FT
Pumping rate 50 G.P.H.
Pumping level 100 FT
Duration of test 1/2 HR

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
DUG WELL	0	23			FRESH
CLAY	23	83			
SAND	83	137			
CLAY	137	141	141	81	

For what purpose(s) is the water to be used?
HOUSE
Is water clear or cloudy? CLEAR
Is well on upland, in valley, or on hillside?
UPLAND
Drilling firm NOAH GILBERT
Address [illegible]

Name of Driller [illegible]
Address [illegible]

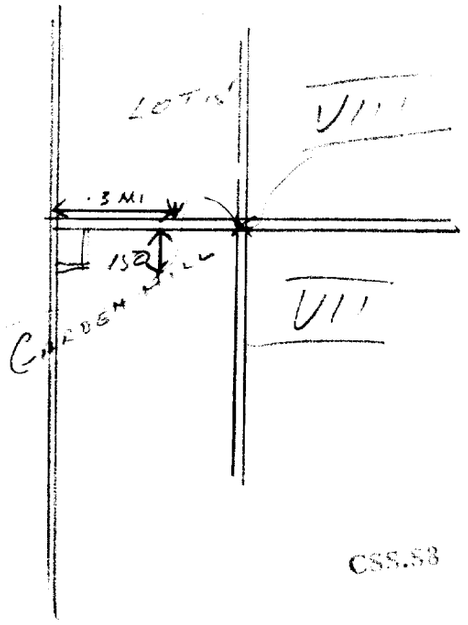
Licence Number.....

I certify that the foregoing statements of fact are true.

Date [illegible] Noah Gilbert
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

CS5.58

UTM 17 Z 708369 E
Con 5 R 4881387 N
Elev? 15 R 015570

The Ontario Water Resources Commission Act

WATER WELL RECORD

WATER RESOURCES DIVISION
19 No. 2127
FEB 23 1965
ONTARIO WATER RESOURCES COMMISSION

Basin 24
County or District Durham
Township, Village, Town or City Hope
Con. 7 Lot 15
Date completed Nov. 11, 1964 (day month year)
[redacted]
ress Garden Hill, Ontario.

Casing and Screen Record

Inside diameter of casing 6¼"
Total length of casing ~~138~~ 138' 9"
Type of screen None
Length of screen None
Depth to top of screen None
Diameter of finished hole 6¼"

Pumping Test

Static level ~~Artesian~~ Artesian
Test-pumping rate ~~10~~ 2000 G.P.H. ~~G.P.M.~~
Pumping level top
Duration of test pumping 1 hour
Water clear or cloudy at end of test Clear
Recommended pumping rate 4 To 5 G.P.M.
with pump setting of 10 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Dug well	0	24		
Blue clay	24	85		
Grey clay & silt	85	139		
Grey limestone	139	141	139-141	Sx fresh

For what purpose(s) is the water to be used? Dwelling

Is well on upland, in valley, or on hillside? Hillside

Drilling or Boring Firm RUSSELL E. ~~EK~~ ELVIDGE WELLDRILLER
Address 813 Cameron Street, Peterborough, Ontario.

Licence Number 1407
Name of Driller or Borer Russell E. Elvidge
Address 813 Cameron Street, Peterborough, Ontario.
Date Nov.11, 1964

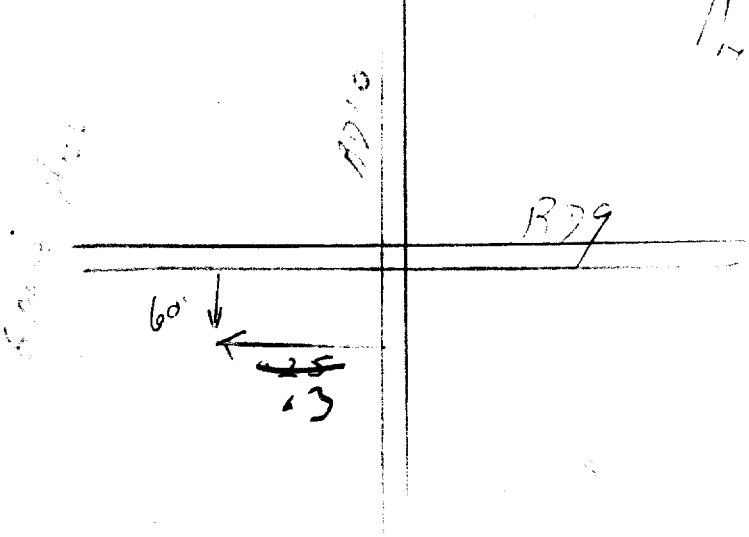
Russell Elvidge
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM | 17 | Z | 708113 | E
| 5 | R | 4880967 | N
Elev. | 5 | R | 05715
Basin | 24 | | |

ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

GROUND WATER BRANCH
FEB 1 1961
ONTARIO WATER RESOURCES COMMISSION

Water-Well Record

County or Territorial District. Durham Township, Village, Town or City. Hope

[redacted] Village, Town or City)

Address Garden Hill Ontario

(day) (month) (year)

Pipe and Casing Record

Casing diameter(s) 6 ¼"
Length(s) 134'-6"
Type of screen none
Length of screen none

Pumping Test

Static level 20'
Pumping rate 33 g.p.m.
Pumping level 55'
Duration of test 3 hrs.

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Old well dug	0'	44'			
Sandy Clay	44'	85'			
Sand	85'	136'			
Sand & gravel	136'	141'			
Shale Rock	141'	142'	141-142'	122'	Fresh

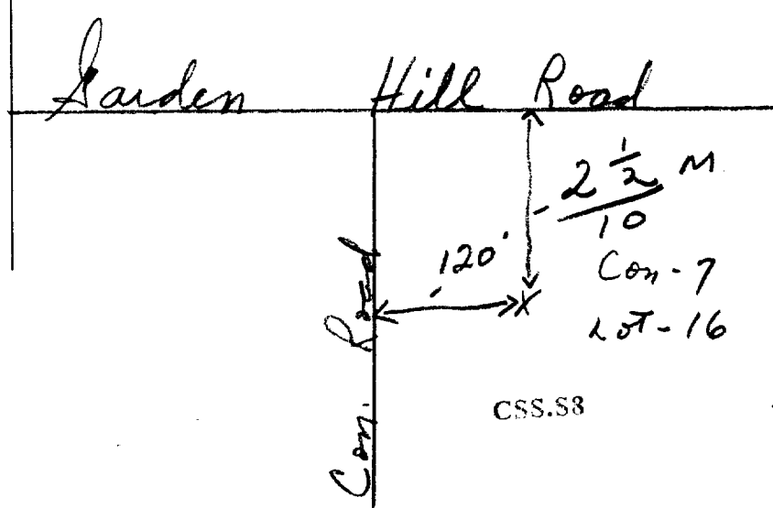
For what purpose(s) is the water to be used? Household
Is water clear or cloudy? Clear
Is well on upland, in valley, or on hillside? Upland
Drilling firm N. N. Faulkner
Address 687 Water St. Peterboro Ontario
Name of Driller Edward L. Taylor
Address R.R. #10 Peterboro Ontario
Licence Number 620

I certify that the foregoing statements of fact are true.

Date Dec 29 [signature]
Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 5

CSS.S3

3

UTM 17 Z 708044 E

C05 R 4881222 N

Elev. 05 R 10580

Basin 24

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Durham Township, Village, Town or City Hope

Con. 7 Lot 16 Date completed 18 (day) June (month) 63 (year)

[redacted] ress Garden Hill

Casing and Screen Record

Inside diameter of casing 36"

Total length of casing 49 ft

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 36"

Pumping Test

Static level 34 ft

Test-pumping rate .... G.P.M.

Pumping level

Duration of test pumping

Water clear or cloudy at end of test clear

Recommended pumping rate .... G.P.M.

with pump setting of .... feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
clay loam	0	2	49 ft	fresh
brown clay	2	9		
course sand	9	49.		

Water Record

For what purpose(s) is the water to be used? house

Is well on upland, in valley, or on hillside? valley

Drilling or Boring Firm G & L Hoskin

Address Burketon R R #1

Licence Number 1168

Name of Driller or Borer Same

Address

Date

Lorne Hoskin

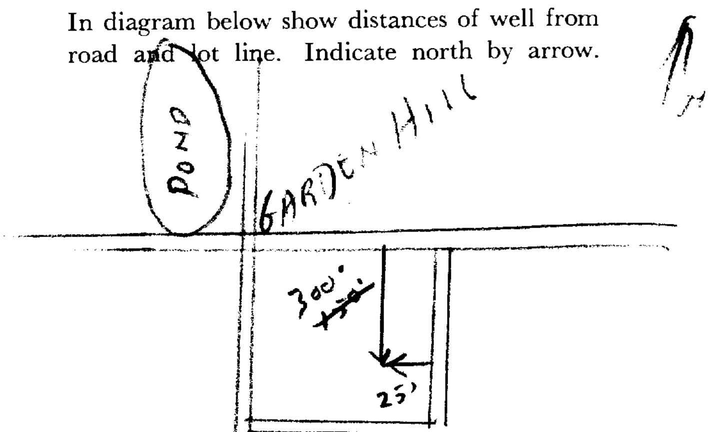
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



HC

UTM 17 Z 708090 E

5 R 4881147 N

Elev. 5 R 0575

Basin 24

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Durham   Township, Village, Town or City Hope

Con. 7   Lot 16   Date completed 4 (day) July (month) 63 (year)

[redacted] ress Garden Hill

Casing and Screen Record

Inside diameter of casing 6¼"
Total length of casing 102
Type of screen —
Length of screen —
Depth to top of screen —
Diameter of finished hole 6¼

Pumping Test

Static level flows
Test-pumping rate 15 G.P.M.
Pumping level 50
Duration of test pumping 2 hrs.
Water clear or cloudy at end of test Clear
Recommended pumping rate 5 G.P.M.
with pump setting of 20' feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Top soil	0	2		
Blue Clay	2	101		
Gravel	101	102	102	fresh

For what purpose(s) is the water to be used?
New House Domestic

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm W M Sanderson

Address Peterboro

Licence Number 1111

Name of Driller or Borer W Sanderson

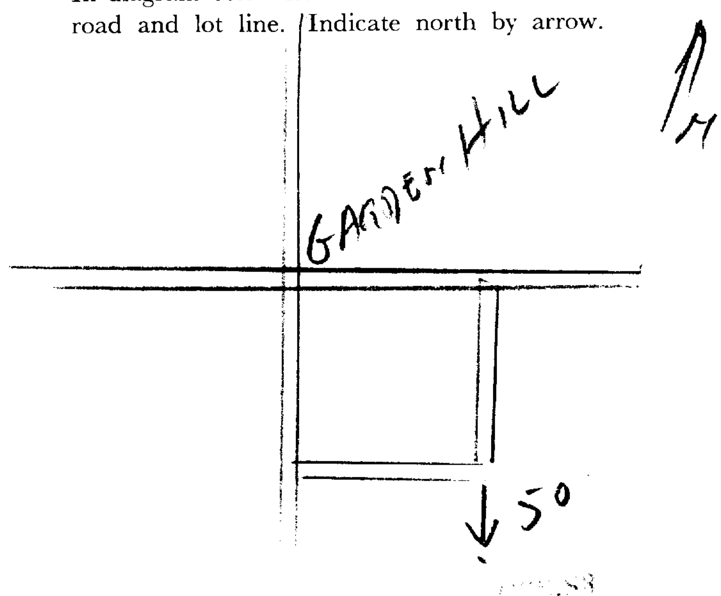
Address

Date Sept 7/63

W Sanderson
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 10M-62-1152

OWRC COPY

UTM 17 Z 708120 E
5 R 4881173 N
Elev. 5 R 857 5
Basin 24

The Ontario Water Resources Commission Act

WATER WELL RECORD

WATER RESOURCES DIVISION
AUG - 5 1964
ONTARIO WATER RESOURCES COMMISSION

No. 2133

C

County or District Durham   Township, Village, Town or City HOPE

Con. 7   Lot 16   Date completed 14 (day) 5 month 64 year)

[redacted] ress Garden Hill

Casing and Screen Record

Inside diameter of casing 6 1/4
Total length of casing 134
Type of screen —
Length of screen —
Depth to top of screen —
Diameter of finished hole 6 1/4

Pumping Test

Static level 20
Test-pumping rate 7 G.P.M.
Pumping level 120'
Duration of test pumping 2 hrs
Water clear or cloudy at end of test Clear
Recommended pumping rate 3 G.P.M.
with pump setting of 120' feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Top soil	0	2		
Clay + stones	2	12		
blue clay	12	125		
Clay & gravel layers	125	133		
Sand & gravel	133	134	134	fresh
Limestone at	134'	—		

For what purpose(s) is the water to be used? Domestic

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm Wm Sanderson

Address Peterboro

Licence Number 1355

Name of Driller or Borer S Hamill

Address

Date 8/7/64

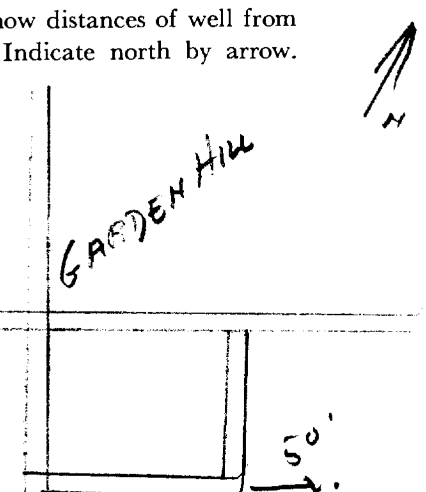
Wm Sanderson
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



WHITE DUPLICATE

C3353

UTM 17 Z 708079 E
C05 R 4881273 N
Elev. 07 R 85715
Basin 29
County or District Durham

The Ontario Water Resources Commission Act

WATER WELL RECORD

WATER RESOURCES DIVISION
19 No. 2134
OCT 19 1964
ONTARIO WATER RESOURCES COMMISSION

Township, Village, Town or City Hope
Con. 7 Lot 16 Date completed September 16, 1964 (day month year)
[redacted] ress Garden Hill, Ontario.

Casing and Screen Record

Inside diameter of casing 6¼"
Total length of casing 135'
Type of screen None
Length of screen None
Depth to top of screen None
Diameter of finished hole 6"

Pumping Test

Static level 25'
Test-pumping rate 20 G.P.M.
Pumping level 50'
Duration of test pumping 1 hour
Water clear or cloudy at end of test Clear
Recommended pumping rate 4 G.P.M.
with pump setting of 50 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Dug well	0	37		
Blue clay	37	85		
Quick sand	85	135		
Grey limestone	135	140	135-140	Fresh

For what purpose(s) is the water to be used? Dwelling

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm RUSSELL E. ELVIDGE WELLDRILLER
Address 813 Cameron St., Peterborough, Ontario.

Licence Number 1407
Name of Driller or Borer Russell E. Elvidge
Address 813 Cameron St., Peterborough, Ontario.
Date September 21, 1964

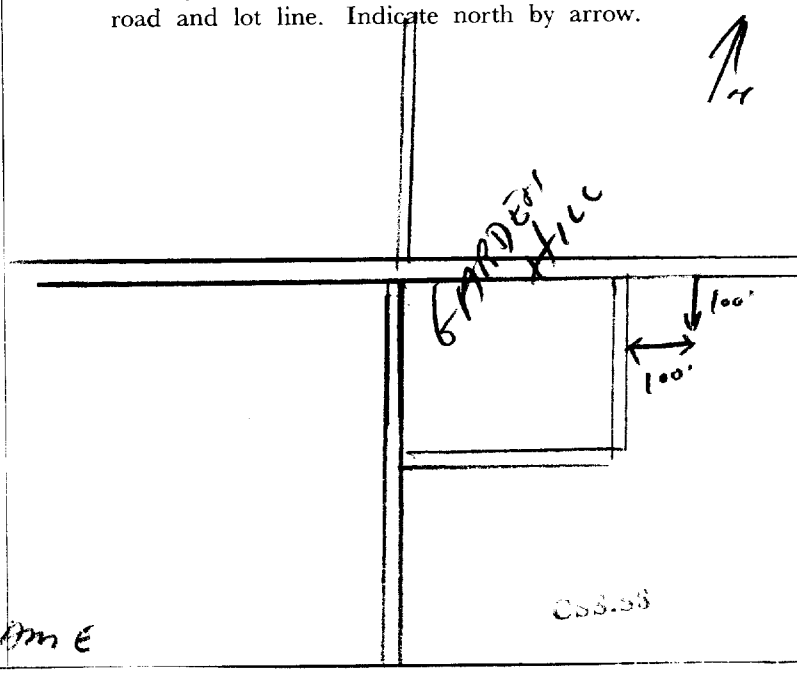
Russell E Elvidge
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



OLD FARM E

UTM 17 Z 707679 E

con 5 R VII 4881117 N

Elev. 05 R 70585

Basin 24

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
No 2136
19 JUN 19 1963
ONTARIO WATER RESOURCES COMMISSION

County or District DURHAM Township, Village, Town or City HOPE

Con. 7 Lot 17 Date completed 25 (day) JUNE (month) 62 (year)

[redacted]ress PERRYTOWN

Casing and Screen Record

Inside diameter of casing 6

Total length of casing PULLED

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 6

Pumping Test

Static level

Test-pumping rate G.P.M.

Pumping level

Duration of test pumping DRY

Water clear or cloudy at end of test

Recommended pumping rate G.P.M.

with pump setting of feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
QUICKSAND & BLUE CLAY	0	140		

For what purpose(s) is the water to be used? DRY

Is well on upland ✓, in valley, or on hillside?

Drilling or Boring Firm R HALFORD

Address PORT HOPE

Licence Number 761

Name of Driller or Borer SAME

Address

Date JUNE 17/63

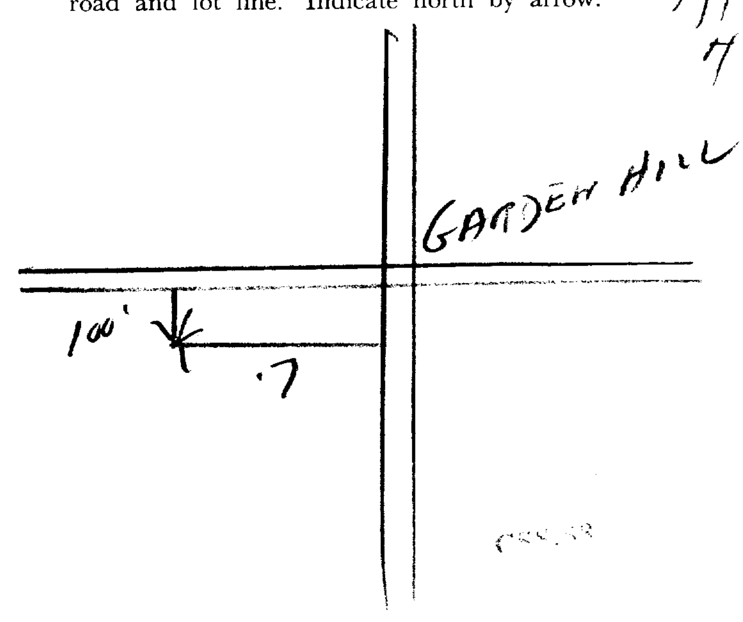
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 17 Z 708583 E

5 R 4882274 N

Elev. 5 R 0615

Basin 24

19 № 2172

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Durham ... Township, Village, Town or City Hope

Con. 8 Lot 14 Date completed 22nd. September 1967 (day month year)

[redacted]ress R.R. No. 1, Campbellcroft, Ont.

Casing and Screen Record

Inside diameter of casing	6¼"
Total length of casing	79
Type of screen	None
Length of screen	-
Depth to top of screen	-
Diameter of finished hole	6¼"

Pumping Test

Static level	16'
Test-pumping rate	25 G.P.M.
Pumping level	49'
Duration of test pumping	3 hours
Water clear or cloudy at end of test	Clear
Recommended pumping rate	5 G.P.M.
with pump setting of	74' feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Top soil	0	1		
Sand	1	33		
Sandy clay	33	44		
Grey clay	44	75		
Gravel and sand	75	79	76-79	Fresh Untested

For what purpose(s) is the water to be used? Domestic

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm Faulkner Well Drilling Co. Ltd.

Address 687 Water St. Peterborough, Ont.

Licence Number 2595

Name of Driller or Borer Anton Urban

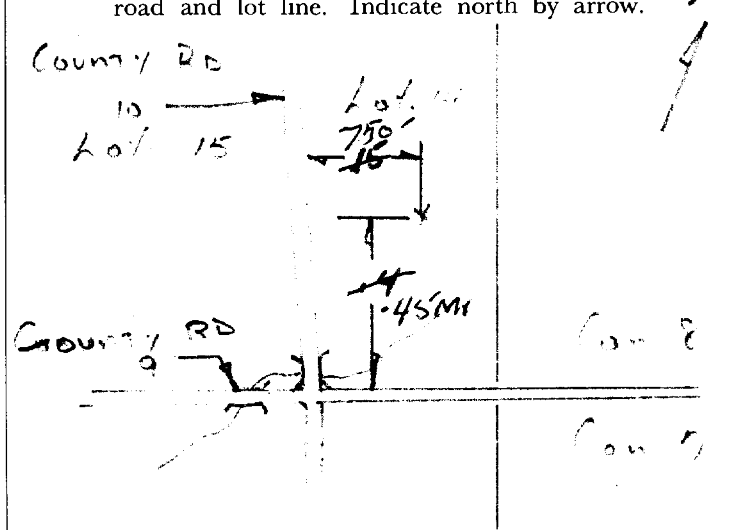
Address R.R. No. 10, Peterborough

Date September 22nd. 1967

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 15M-60-4138

OWRC COPY

CSS.S8

UTM 17 Z 707961 E
5 R 4881392 N

Elev. 15 R 65715

Basin 24

County or District DURHAM

Con. 8 Lot 16

The Ontario Water Resources Commission Act

WATER WELL RECORD

WATER RESOURCES DIVISION
AUG 3 1964
ONTARIO WATER RESOURCES COMMISSION
10 No. 2173

Township, Village, Town or City HOPE

Date completed MONDAY (day) JUNE 9TH (month) 1964 (year)

[redacted]dress 171 BESSBOROUGH DR. TORONTO.

Casing and Screen Record

Inside diameter of casing 6 1/4

Total length of casing 131

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 6 1/4

Pumping Test

Static level 20

Test-pumping rate 4 G.P.M.

Pumping level 106

Duration of test pumping CLEAR

Water clear or cloudy at end of test CLEAR

Recommended pumping rate 3 G.P.M.

with pump setting of 105 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
TOP SOIL	0	5		
BLUE CLAY	5	100		
SAND, CLAY	100	120		
SAND, CLAY, GRAVEL	120	131	130	FRESH

For what purpose(s) is the water to be used? HOUSE

Is well on upland, in valley, or on hillside? VALLEY

Drilling or Boring Firm DRILLING NOAH GILBERT

Address RR#2 BALTIMORE

Licence Number 1359

Name of Driller or Borer NOAH GILBERT

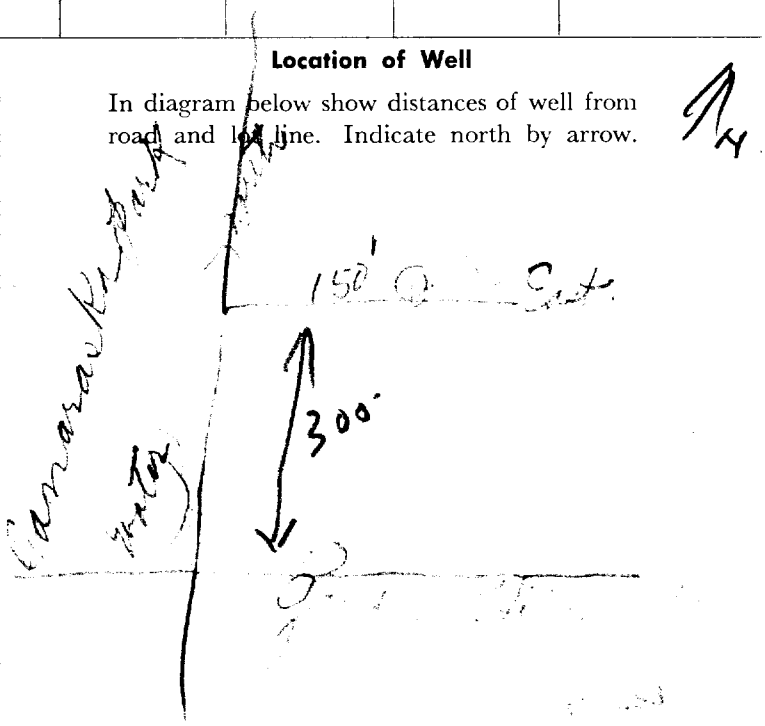
Address RR#2 BALTIMORE

Date

[signature]
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 15M-60-4138

OWRC COPY

UTM 17 Z 707992 E — Con VIII Lot 16

3

19 Nº 2174

R 4881337 N

The Ontario Water Resources Commission Act

Elev. 5 R 0620

WATER WELL RECORD

Basin 24

County or District: Durham — Township, Village, Town or City: Hope Twsp.

Con. 8 — Lot 16 — Date completed: 31 (day) January (month) 1968 (year)

[redacted]dress: Gardenhill, Ontario.

Casing and Screen Record	
Inside diameter of casing	6¼"
Total length of casing	76'
Type of screen	Homemade
Length of screen	3'xXx5x (Tail pipe 5')
Depth to top of screen	76'
Diameter of finished hole	6¼"

Pumping Test	
Static level	15'
Test-pumping rate	30 G.P.M.
Pumping level	50'
Duration of test pumping	3 hours
Water clear or cloudy at end of test	Starting to clear.
Recommended pumping rate	5 G.P.M.
with pump setting of	60 feet below ground surface

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Brown clay	0	70		
Fine gravel and sand	70	79	70-79	Untested Fresh

For what purpose(s) is the water to be used? Dwelling

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm: RUSSELL E. ELVIDGE WELLDRILLER

Address: 813 Cameron Street, Peterborough, Ontario

Licence Number: 2874

Name of Driller or Borer: Russell E. Elvidge

Address: 813 Cameron Street, Peterborough, Ont.

Date: April 4, 1968

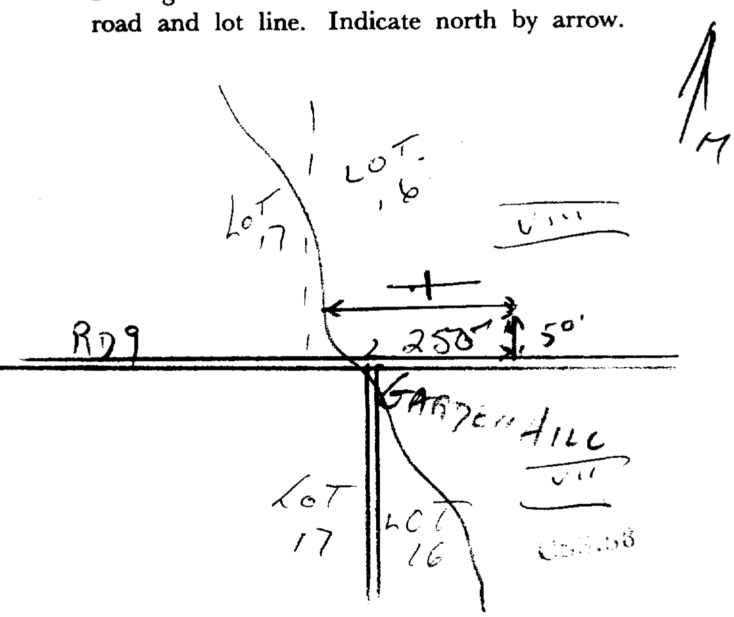
Russell Elvidge
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M 60-20912

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



3

760

UTM 17 z 707 382 E

Con 5 VIII 4881 310 N (210)

Elev Lot 5 17 0570

Basin 24

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District: DURHAM
Township, Village, Town or City: HOPE

Con. 8 Lot 17
Date completed: 17 (day) JUNE (month) 62 (year)

Owner (print in block letters): DEPT LANDS + FORESTS
Address: TORONTO

Casing and Screen Record

Inside diameter of casing: 6"
Total length of casing: 58'
Type of screen: —
Length of screen: —
Depth to top of screen: —
Diameter of finished hole: 6"

Pumping Test

Static level: 18
Test-pumping rate: 10 G.P.M.
Pumping level: 20
Duration of test pumping: 2 HRS
Water clear or cloudy at end of test: CLEAR
Recommended pumping rate: 5 G.P.M.
with pump setting of 50 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
BLUE CLAY	0	57		
GRAVEL	57	58	57½	FRESH

For what purpose(s) is the water to be used? PARK

Is well on upland, in valley, or on hillside? ✓

Drilling or Boring Firm: R HALFORD

Address: PORT HOPE

Licence Number: 761

Name of Driller or Borer: SAME

Address:

Date: JUNE 17/62

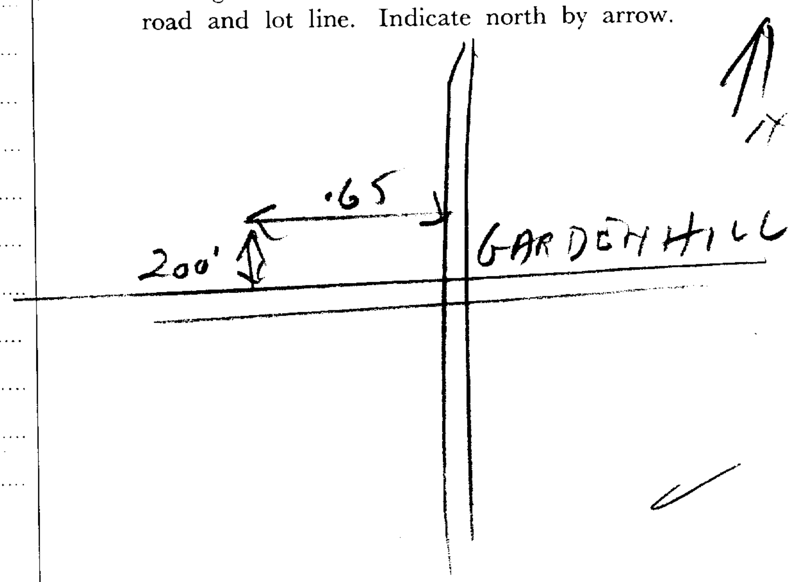
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



CSS.S8

UTM 17 Z 707297 E
Co 5 R 4682303 N
Elev. Lot 5 R 19625

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 24
County or District Durham
Township, Village, Town or City Hope Twsp.
Con. 8 Lot 17
Date completed Aug. 13, 1965 (day month year)
[redacted] ress Campbellcroft, Ontario.

Casing and Screen Record

Inside diameter of casing 6½"
Total length of casing 150'
Type of screen 6" x 5' x No 20 slot Stainless Steel.
Length of screen 7' tail pipe and 7' slotted pipe below screen
Depth to top of screen Bottom of hole filled with round boulders to slotted pipe
Diameter of finished hole ~~6¼~~ x ~~5~~ x 6½"

Pumping Test

Static level Flowing
Test-pumping rate 50 G.P.M.
Pumping level 20'
Duration of test pumping 2 hours
Water clear or cloudy at end of test Clear
Recommended pumping rate 5 G.P.M.
with pump setting of 30' feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Sandy loam	0	3		
Sandy clay	3	35		
Clay	35	120		
Sand & gravel	120	139		
Gravel(fine)	139	150		
Limestone	150	165	139-165	Fresh

For what purpose(s) is the water to be used? Farm

Is well on upland, in valley, or on hillside? Valley

Drilling or Boring Firm RUSSELL E. ELVIDGE WELLDRILLER
Address 813 Cameron Street, Peterborough, Ontario

Licence Number 1791

Name of Driller or Borer Charles Walsh
Address R.R.1, Newtonville, Ont.

Date August 26, 1965

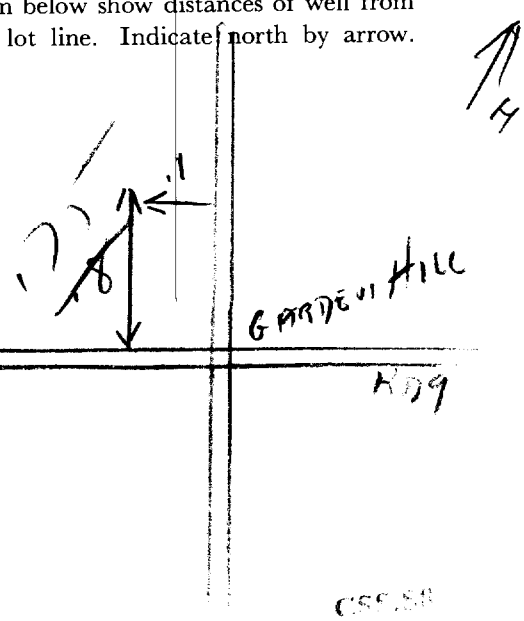
Russell Elvidge
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 17 708100 Con VII Lot 16 CODED

4R 488130 0

Prov. 5R 0575

24

1902697

The Ontario Water Resources Commission Act

WATER WELL RECORD

DIVISION OF WATER RESOURCES

JUN 23 1969

WATER RESOURCES COMMISSION

County or District Durham

Township, Village, ~~Town or City~~ Hope Gardenhill

Con. 7 Lot 16

Date completed 8 (day) April (month) 1969 (year)

Address GARDEN HILL, ONT.

[redacted]

Casing and Screen Record

Inside diameter of casing 6 ¼

Total length of casing 79'

Type of screen —

Length of screen —

Depth to top of screen —

Diameter of finished hole 6 ¼

Pumping Test

Static level 20 ft.

Test-pumping rate 10 G.P.M.

Pumping level 40

Duration of test pumping 3 hr.

Water clear or cloudy at end of test clear

Recommended pumping rate 2 ½ G.P.M.

with pump setting of 60 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
top & sub soil	0	10		
blue clay	10	78		
sand & gravel	78	79	79.	fresh.

For what purpose(s) is the water to be used? house.

Is well on upland, in valley, or on hillside? upland.

Drilling or Boring Firm Noah Gilbert

Address R. R. #2 Baltimore

Licence Number 3240

Name of Driller or Borer M. Gilbert

Address 103A King St. W. Cobourg

Date April 8 1969

Noah Gilbert

(Signature of Licensed Drilling or Boring Contractor)

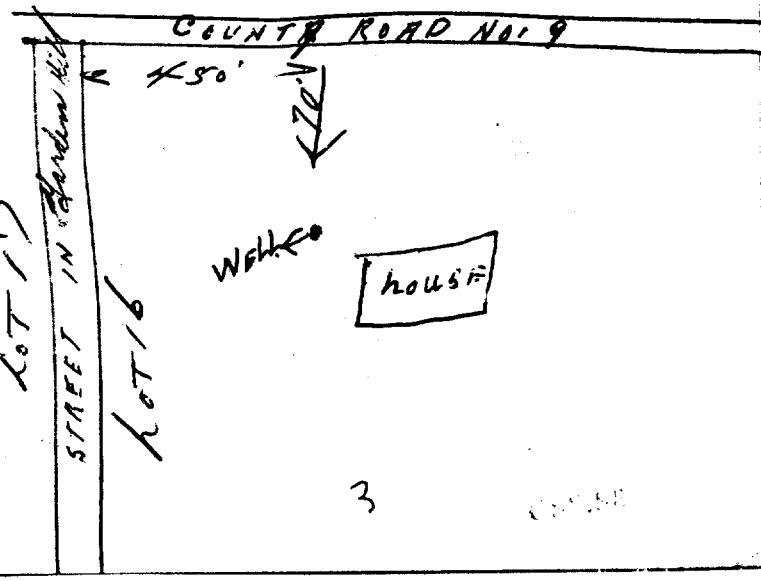
Form 7 15M-60-4138

OWRC COPY

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

IV 1



3

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1902721 | MUNICIP. 1900st | CON. GON | 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Durham	Hope	8	017 ~~part of lot 17~~

[redacted]. # 1 Camelcroft, Ontario

DATE COMPLETED: DAY 04 ~~14~~ MO. 08 YR. 69

G 8 1 3 2 0 | RC. 4 | ELEVATION 0 5 7 8 | RC. 5 | BASIN CODE 2 4

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Brown	topsoil	clay		0'	2'
Grey	clay			2'	25'
Grey	clay	sand		25'	143'
Grey	gravel	sand		143'	145'

31: 0002602 05 | 0025 205 | 0143 205 09 | 0145 211 09

32:

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0143 ~~145~~	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~6~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	~~12.88~~ 12.66	0'	0145'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
☐ PUMP ☒ BAILER	0030 GPM.	04 HOURS 30 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
038 FEET	060 FEET	060 FEET	060 FEET	060 FEET	060 FEET

1 ☒ PUMPING 2 ☐ RECOVERY

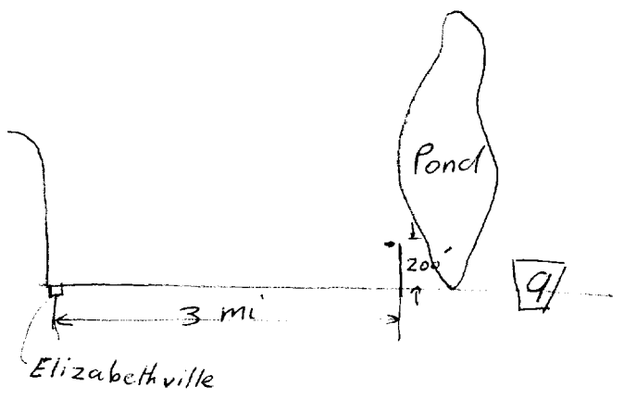
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	100 FEET	0005 GPM.

50-53 001·4 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

54

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

55-56: 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

57

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: R. E. Elvidge, Welldrilling — LICENCE NUMBER: 3332

ADDRESS: 813 Cameron Street, Peterborough

NAME OF DRILLER OR BORER: Tom Tucker — LICENCE NUMBER: 3332

SIGNATURE OF CONTRACTOR: Russell Elvidge — SUBMISSION DATE: DAY 4 MO. 8 YR. 69

OFFICE USE ONLY

DATA SOURCE 1 | 58 | CONTRACTOR 1904 | 59-62 | DATE RECEIVED 160969 | 63-68 | 80

DATE OF INSPECTION | INSPECTOR: P/K

REMARKS: CSS.58

OWRC COPY

F.R.

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

ONTARIO

3 I D / id

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1903703 | MUNICIP. 19005 | CON. CON | 07

COUNTY OR ~~DISTRICT~~: DORHAM (~~northumberland~~)
TOWNSHIP, BOROUGH, CITY, ~~TOWN, VILLAGE~~: Hope
CON., ~~BLOCK, TRACT, SURVEY, ETC.~~: VII
LOT 25-27: 016 (~~15~~/16)

[redacted]

ADDRESS: 86 John st Port Hope ont

DATE COMPLETED 48-53: DAY 10 MO. 10 YR. 73

21 | UTM ZONE 17 | EASTING 708000 | NORTHING 4881180 | RC. 4 | ELEVATION 0575 | RC 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	Topsoil			0	1
Brown	clay	sandy	Packed	1	15
Grey	clay	stones	Packed	15	28
"	Sand	water	Loose	28	36

31 | 0001802 | 0015640528 | 0028205/12 | 0036228

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0028	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
30"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE	3"	0	0036 (~~36~~)
~~2"~~ ~~18"~~	1 ☐ STEEL 2 ☒ ~~GALVANIZED~~ 3 ☐ CONCRETE 4 ☐ OPEN HOLE	18 Ga	28	~~36~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0008 GPM.
DURATION OF PUMPING: 01 HOURS 00 MINS.

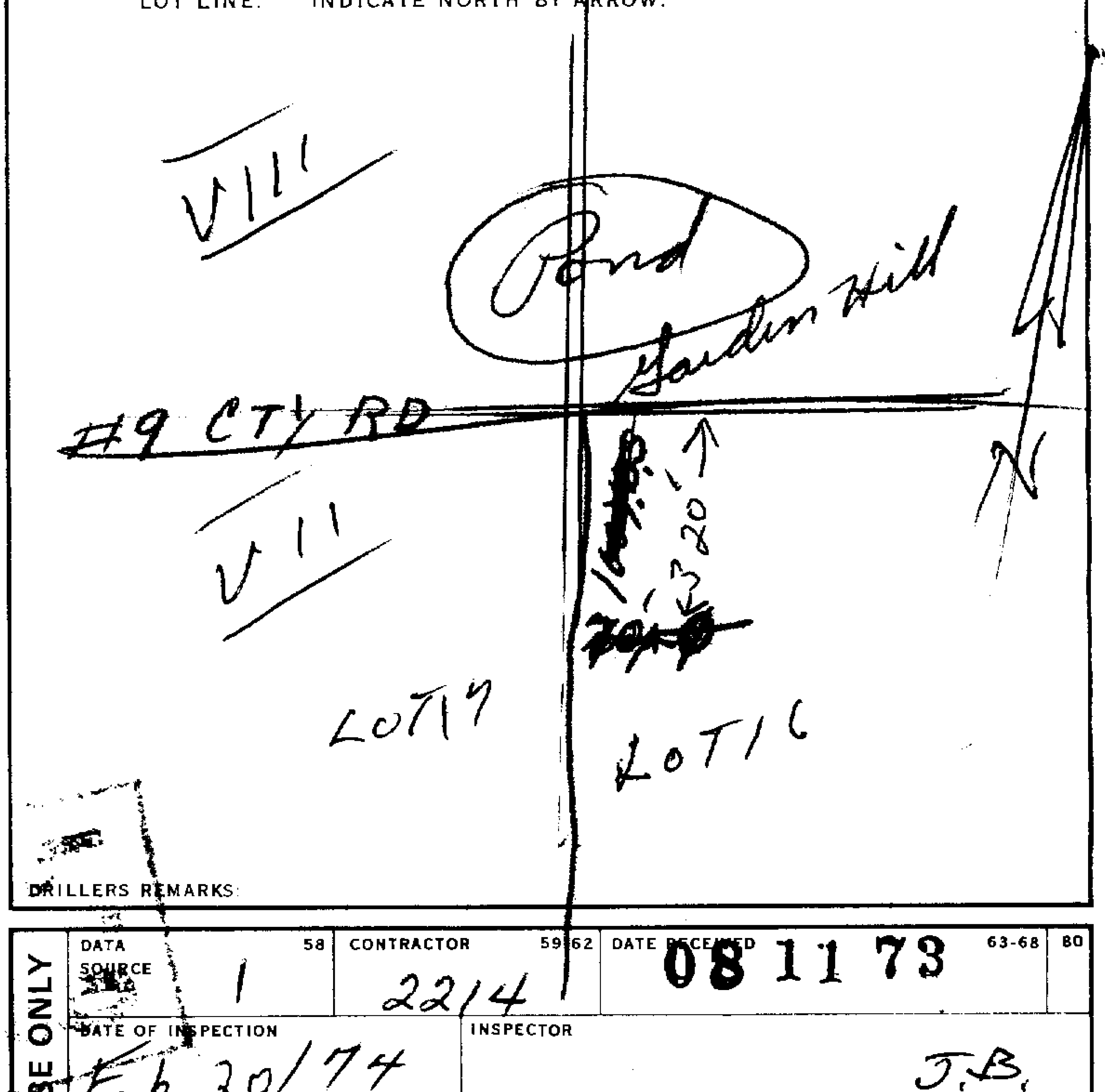
STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
024 (~~24~~) FEET	036 FEET	035 FEET	034 FEET	033 FEET	032 FEET

WATER LEVELS DURING: ~~1 PUMPING~~ 2 ☒ RECOVERY

IF FLOWING, GIVE RATE: GPM.
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING: 035 (~~30~~) FEET
RECOMMENDED PUMPING RATE: 0003 GPM.
000.7 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED

WATER USE 01

1 ☒ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF DRILLING

1 ☐ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☒ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Lucklance Boring & Drilling — LICENCE NUMBER: 2214
ADDRESS: 204 Chestnut st whitby ont
NAME OF DRILLER OR BORER: wayne Calum — LICENCE NUMBER: 2214
SIGNATURE OF CONTRACTOR: [signature]
SUBMISSION DATE: DAY 20 MO. 10 YR. 73

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 2214 | DATE RECEIVED: 08 11 73
DATE OF INSPECTION: Feb. 20/74 | INSPECTOR: J.B.
REMARKS:
P / J.B.
WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

31D/11d
4504090
1901146

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4504521 MUNICIP. 45011 CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, ~~BOROUGH, CITY, TOWN, VILLAGE~~	CON., ~~BLOCK, TRACT, SURVEY, ETC.~~	LOT
NORTHUMBERLAND	HOPE	VIII	PART 014

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
N. DENIS ENTERPRISES.	RR1 CAMBELL CROFT, ONT.	DAY 20 MO. 06 YR. 75

4504521 17 707892 4882362 4 690 5 24 MAR 02, 1977 242

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0'	1'
			GREY CLAY	1'	17'
			SAND & CLAY	17'	24'
			COARSE GRAVEL AND SAND	24'	26'

(31) 0001 02 | 0017 205 | 0024 2805 | 0026 11 28

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0017	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
30"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE	3"	0'	26 0026
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0008 GPM.	01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
015 FEET	025 FEET	019 FEET	021 FEET	023 FEET	025 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ~~☐ RECOVERY~~

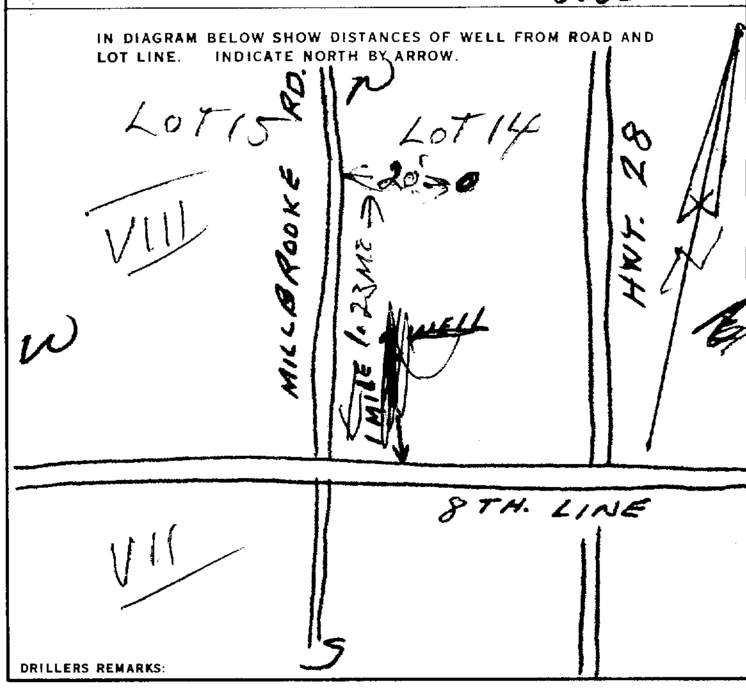
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP | RECOMMENDED PUMP SETTING: 024 FEET | RECOMMENDED PUMPING RATE: 0006 GPM.

000.8 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 0783

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 6
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☒ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
KEHOE WELL DRILLING LTD.	3129

ADDRESS: GORES LANDING, ONT.

NAME OF DRILLER OR BORER	LICENCE NUMBER
Terry Kehoe	3129

SIGNATURE OF CONTRACTOR: Terry Kehoe | SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	3129	02 07 75

DATE OF INSPECTION: MAR 29/76 | INSPECTOR

REMARKS: P/J.B. WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario M

3ID4d

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4534633 | MUNICIP. 45011 | CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
NORTHUMBERLAND	HOPE	CONCESSION VII OK	016

[redacted]

ADDRESS: RR #1 CAMBLECROFF

DATE COMPLETED: DAY 25 MO 06 YR 76

21 | UTM ZONE 17 | EASTING 708520 | NORTHING 4881440 | RC 4 | ELEVATION 0565 | RC 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY		DENSE	0'	20'
BLUE	CLAY		DENSE	20	80'
GREY	SAND		DENSE	80'	100
BLUE	CLAY		SOFT	100'	125'
GREY	SAND		SOFT	125	130'
[illegible]	GRAVEL		SOFT	130	135'

31 | 0020605 66 | 0080305 66 | 0100228 66 | 0125305 85 | 0130228 85 | 0135811 85
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0135'	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1/4	0	0135
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

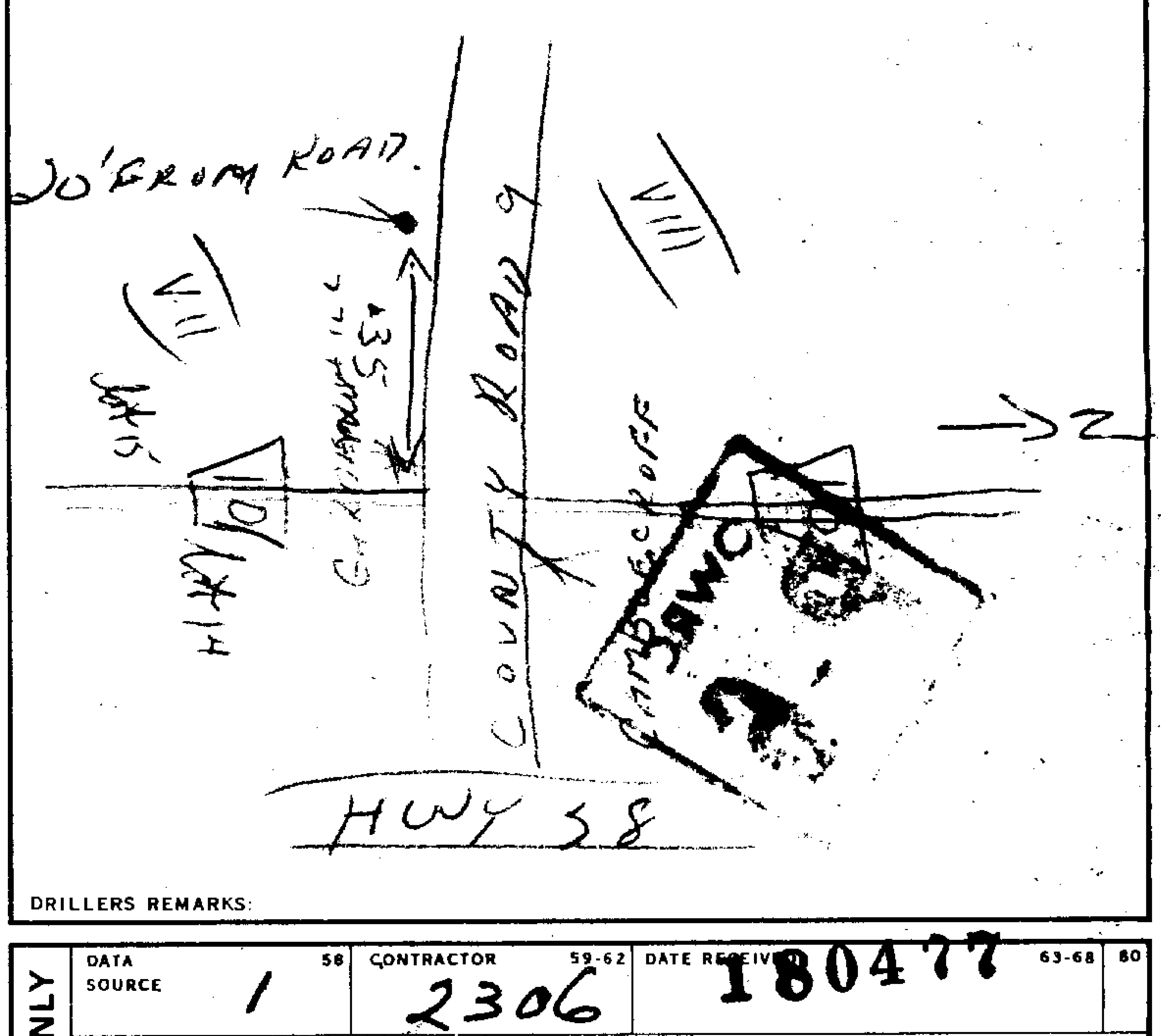
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: GPM
DURATION OF PUMPING: 03 HOURS 30 MINS.
STATIC LEVEL: -66 FEET
WATER LEVEL END OF PUMPING: FEET
WATER LEVELS DURING 1 ☐ PUMPING 2 ☐ RECOVERY: 15 MINUTES FEET; 30 MINUTES FEET; 45 MINUTES FEET; 60 MINUTES FEET
IF FLOWING, GIVE RATE: 0006 GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING: 100 FEET
RECOMMENDED PUMPING RATE: 0006 GPM
GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 1
1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 1
1 ☑ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: GIBERTS WELL DRILLING — LICENCE NUMBER 2306
ADDRESS: RR #2 BALTIMORE ONT.
NAME OF DRILLER OR BORER: ALFRED GILBERT — LICENCE NUMBER 2306
SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE DAY 25 MO. 6 YR 76

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 2306 | DATE RECEIVED 180477
DATE OF INSPECTION | INSPECTOR
REMARKS: New Owner - [redacted]
P July 11/78 AR
WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

31Dld.

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4504798 | MUNICIP. 45011 | CON. CON 07

COUNTY OR DISTRICT: ~~Durham~~ Northumberland | TOWNSHIP, BOROUGH, CITY, TOWN OR VILLAGE: Hope | CON., BLOCK, TRACT, SURVEY, ETC.: 7 AR | LOT: 016 AR

[redacted] R. 1, Cambelllcroft, Ont. | DATE COMPLETED: DAY 29 MO 09 YR 77

UTM | 81240 | RC 4 | ELEVATION 0580 | RC 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top soil		Soft	0	2
Blue	Clay		Medium	2	60
Grey	Gravel (washed), Sand		Loose	60	75

(31) 0002602 85 | 0060305 78 | 0076211 2877

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0075 Untested	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
~~6~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~60~~ 0060
~~5~~	~~OUT OVERLAP~~ STEEL	~~.188~~	~~53~~	~~75~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.): | DIAMETER: 05250 INCHES | LENGTH: 22 FEET

MATERIAL AND TYPE: | DEPTH TO TOP OF SCREEN: 0053 FEET

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0030 GPM | DURATION OF PUMPING: 04 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
020 FEET	022 FEET		020 FEET	020 FEET	020 FEET	020 FEET

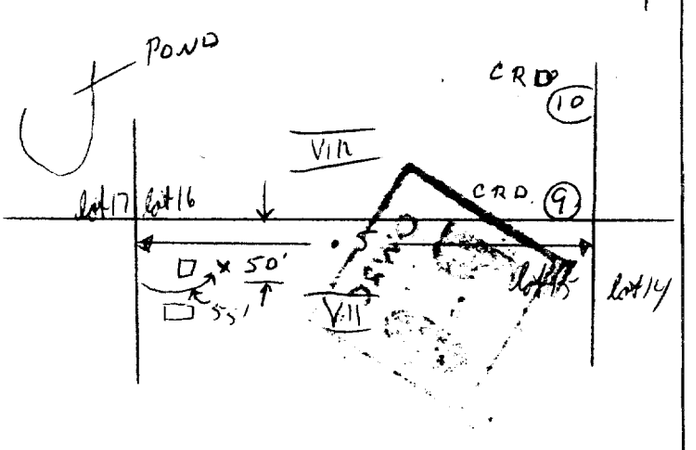
IF FLOWING, GIVE RATE: -- GPM | PUMP INTAKE SET AT: 50 FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 050 FEET | RECOMMENDED PUMPING RATE: 0010 GPM

50-53 ——— GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54): 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56) 01: 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING (57) 1: 1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Faulkner Well Drilling Co.Ltd | LICENCE NUMBER: 2104

ADDRESS: 789 Erskine Ave., Peterborough, Ont.

NAME OF DRILLER OR BORER: Wm. Lang | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: H. Faulkner | SUBMISSION DATE: DAY 30 MO 9 YR 77

OFFICE USE ONLY

DATA SOURCE (58): 1 | CONTRACTOR (59-62): 2104 | DATE RECEIVED (63-68): 2 41077

DATE OF INSPECTION: | INSPECTOR:

REMARKS: P July 11/78 WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31 D/1d.

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4505035 | MUNICIP. 45011 | CON. CON | 08

COUNTY OR DISTRICT: DURHAM | TOWNSHIP, ~~BOROUGH, CITY, TOWN, VILLAGE~~: HOPE | CON., ~~BLOCK, TRACT, SURVEY, ETC.~~: 8 | LOT: 16

[redacted] PORT HOPE, ONT.

DATE COMPLETED: DAY 22 MO. 08 YR. 78

UTM: 81380 | RC 4 | ELEVATION 0585 | RC 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0'	1'
			GREY CLAY	1'	18'
			BLUE CLAY	18'	45'

31 | 0001 02 | 0018205 | 0045305

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0630	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
30"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE	3"	0'	~~45'~~ 0045
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0007 GPM | DURATION OF PUMPING: 01 HOURS 00 MINS

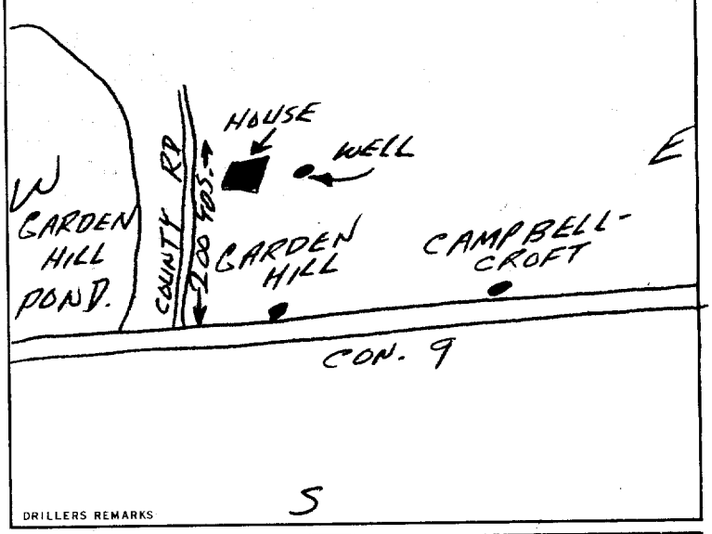
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
015 FEET	043 FEET		032 FEET	036 FEET	040 FEET	045 FEET

IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 043 FEET | RECOMMENDED PUMPING RATE: 0006 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: S

FINAL STATUS OF WELL 54: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 55-56: 01 — 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 57: 6 — 1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☒ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Kekoe Well Drilling Ltd. | LICENCE NUMBER: 3129

ADDRESS: Gore's Landing, Ont.

NAME OF DRILLER OR BORER: Terry Kekoe | LICENCE NUMBER: 3129

SIGNATURE OF CONTRACTOR: Terry Kekoe | SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 3129 | DATE RECEIVED: 790878

DATE OF INSPECTION | INSPECTOR

REMARKS: PLOTTED MAY 24-79 CSS.SB

FORM NO. 0506—4—77

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK [X] CORRECT BOX WHERE APPLICABLE

(11) 4505552 MUNICIP. 45011 CON. CON 08

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: ~~HAMILTON TWP.~~ HOPE TP
CON: CON BLOCK, TRACT, SURVEY, ETC.: CON 8
LOT: 014
DATE COMPLETED: DAY 11 MO 08 YR 80
ADDRESS OF WELL LOCATION: R. #1, CAMPBELLCROFT, Ont.

81820 RG 4 ELEVATION 0600 BC 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
			TOP SOIL	0	2
BROWN	SAND	CLAY		2	44
BROWN	CLAY			44	92
BROWN	SAND		FINE	92	106
BROWN	CLAY	SAND		106	148
BROWN	GRAVEL			148	150

FEB 12 1980

(31) 0002 02 0044462805 0092605 0106608 0148605 28 0150611

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0150	1 [X] FRESH 2 [ ] SALTY 3 [ ] SULPHUR 4 [ ] MINERAL
	1 [ ] FRESH 2 [ ] SALTY 3 [ ] SULPHUR 4 [ ] MINERAL
	1 [ ] FRESH 2 [ ] SALTY 3 [ ] SULPHUR 4 [ ] MINERAL
	1 [ ] FRESH 2 [ ] SALTY 3 [ ] SULPHUR 4 [ ] MINERAL
	1 [ ] FRESH 2 [ ] SALTY 3 [ ] SULPHUR 4 [ ] MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
61/06	1 [X] STEEL 2 [ ] GALVANIZED 3 [ ] CONCRETE 4 [ ] OPEN HOLE	188	0	0150
	1 [ ] STEEL 2 [ ] GALVANIZED 3 [ ] CONCRETE 4 [ ] OPEN HOLE			
	1 [ ] STEEL 2 [ ] GALVANIZED 3 [ ] CONCRETE 4 [ ] OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE: | DEPTH TO TOP OF SCREEN FEET:

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

(71) PUMPING TEST

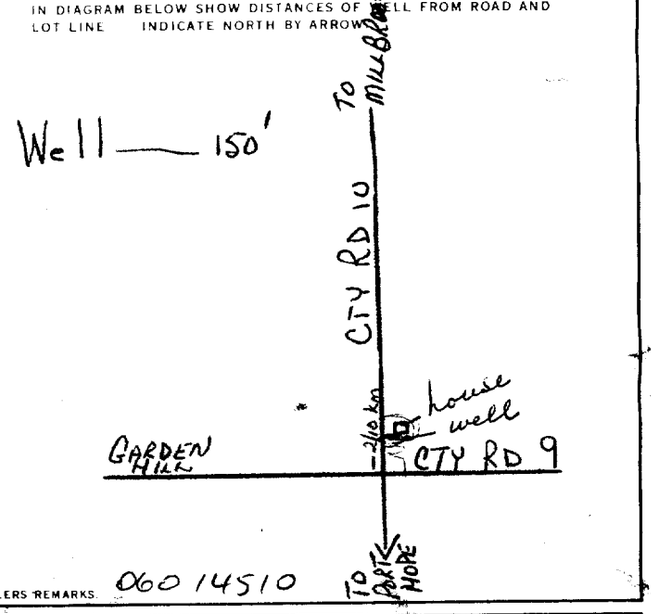
PUMPING TEST METHOD: 1 [ ] PUMP 2 [X] BAILER
PUMPING RATE: 0020 GPM
DURATION OF PUMPING: 04 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 [ ] PUMPING 2 [ ] RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
028 FEET	084 FEET	FEET	FEET	FEET	FEET

IF FLOWING GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 [X] CLEAR 2 [ ] CLOUDY
RECOMMENDED PUMP TYPE: [ ] SHALLOW [X] DEEP
RECOMMENDED PUMP SETTING: FEET
RECOMMENDED PUMPING RATE: GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 060 14510

FINAL STATUS OF WELL: 1

1 [X] WATER SUPPLY 2 [ ] OBSERVATION WELL 3 [ ] TEST HOLE 4 [ ] RECHARGE WELL 5 [ ] ABANDONED, INSUFFICIENT SUPPLY 6 [ ] ABANDONED, POOR QUALITY 7 [ ] UNFINISHED

WATER USE: 01

1 [X] DOMESTIC 2 [ ] STOCK 3 [ ] IRRIGATION 4 [ ] INDUSTRIAL [ ] OTHER 5 [ ] COMMERCIAL 6 [ ] MUNICIPAL 7 [ ] PUBLIC SUPPLY 8 [ ] COOLING OR AIR CONDITIONING 9 [ ] NOT USED

METHOD OF DRILLING: 1

1 [ ] CABLE TOOL 2 [X] ROTARY (CONVENTIONAL) 3 [ ] ROTARY (REVERSE) 4 [ ] ROTARY (AIR) 5 [ ] AIR PERCUSSION 6 [ ] BORING 7 [ ] DIAMOND 8 [ ] JETTING 9 [ ] DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELLDRILLING
LICENCE NUMBER: 4635
ADDRESS: R. R. #2, CAVAN, Ont. 705-799-5343
NAME OF DRILLER OR BORER: same
LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Robert Ruth
SUBMISSION DATE: DAY 11 MO. 11 YR 80

OFFICE USE ONLY

DATA SOURCE: 1
CONTRACTOR: 4635
DATE RECEIVED: 060281
DATE OF INSPECTION:
INSPECTOR:
REMARKS: Verified data 8/10/82

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

31D1d

Ministry of the Environment
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 4505581 MUNIC 45011 CON CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Northumberland	Hope	8	~~07~~ 017

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
[redacted]	Garden Hill	DAY 14 MO 11 YR 79

21 | UTM ZONE 17 | EASTING 707640 | NORTHING 4881160 | RC 4 | ELEVATION 0575 | RC 5 | BASIN CODE 2H |

[redacted]

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay	Sand	Hard	0	26
Blue	Clay	Stones	Hard	26	138
Blue	Gravel	Sand		~~138~~	~~138~~
				138	140

FEB 12 1987

31 0026605273 0138305273 0140311128

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0140	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
~~6⅝~~ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0140
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0010 GPM	02 HOURS 00 MINS

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
026 FEET	090 FEET	050 FEET	080 FEET	090 FEET	090 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	090 FEET	0005 GPM

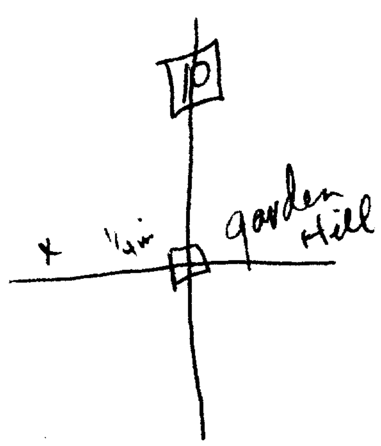
FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☒ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 1
1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 060 176

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Neil Anderson	4713

ADDRESS: RR#4 Omemee

NAME OF DRILLER OR BORER	LICENCE NUMBER
Same	

SIGNATURE OF CONTRACTOR: Neil Anderson — SUBMISSION DATE: DAY 23 MO. 8 YR. 80

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	4713	200581

DATE OF INSPECTION: — INSPECTOR:

REMARKS: 8/6/86 loc. verified

CSS.S8

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

5101d

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4505584 MUNICIP. 45011 CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Northumberland Durham	Hope	7 VII	016

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
[redacted]	Garden Hill	DAY 17 MO 01 YR 80

(21) UTM ZONE 17 EASTING 708040 NORTHING 4881240 RC 4 ELEVATION 0575 RC 5 BASIN CODE 24

[redacted]

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay	Stones	Hard	0	30
Blue	Clay	Stones	Hard	30	90
Blue	Clay		Soft	90	134
Grey	Gravel	Sand		134	135

FEB 12 1987

(31) 0030605I273 0090305I273 0134305I85 0135311128

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0135	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0135
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0015 GPM	02 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY — 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
040 FEET	080 FEET	060 FEET	080 FEET	080 FEET	080 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	080 FEET	0010 GPM

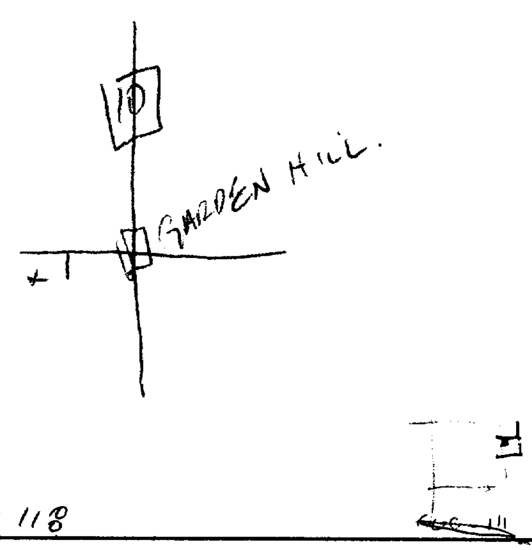
FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC
2 ☒ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF DRILLING 1
1 ☒ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 060 118

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
W. Andersen	4713
ADDRESS: Omemee RR# 4	
NAME OF DRILLER OR BORER: Bruce	LICENCE NUMBER
SIGNATURE OF CONTRACTOR: W. Andersen	SUBMISSION DATE DAY 23 MO. 8 YR. 80

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	4713	200581
DATE OF INSPECTION	INSPECTOR	

REMARKS: locn verified 17/7/86
CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

51D1d

The Ontario Water Resources Act
WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4506050 MUNICIP. 45011 CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON BLOCK TRACT SURVEY ETC	LOT
[redacted]	[redacted]	8	017

[redacted] Bloor St., E, Oshawa, Ont.L1H3M3

DATE COMPLETED DAY 28 MO 06 YR 84

[redacted] 82200 | RC 4 | ELEVATION 0600 | RC 5 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	sand	clay, loam	soft	0	10
Grey	clay (gumbo)	water	medium	10	125
Grey	gravel	sand, water	loose	125	134

FEB 12 1987

Screen set from 130 to 134 ft.

31 | 0010628050Z | 012520578 | 01342112877

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0134 untested	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY #5 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0130
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
030	06000 INCHES	04 FEET
MATERIAL AND TYPE: stainless steel	DEPTH TO TOP OF SCREEN: 0125 FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0005 GPM
DURATION OF PUMPING: 03 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
-00 FEET	125 FEET	075 FEET	125 FEET	125 FEET	125 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

IF FLOWING GIVE RATE: 0001 1/4 GPM
PUMP INTAKE SET AT: 130 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 130 FEET
RECOMMENDED PUMPING RATE: 0005 GPM

FINAL STATUS OF WELL 1

1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED POOR QUALITY
7 ☐ UNFINISHED

WATER USE 01

1 ☒ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

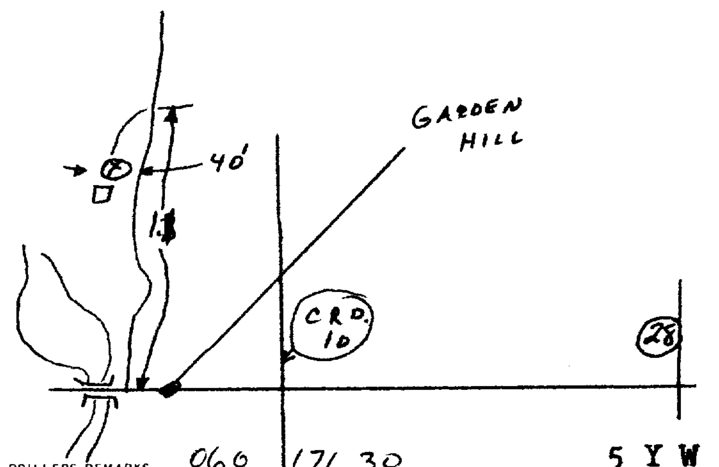
METHOD OF DRILLING 1

1 ☒ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING

LOCATION OF WELL

1929

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 060 17/ 30 5 Y W

CONTRACTOR

NAME OF WELL CONTRACTOR: Faulkner Well Drilling Co.Ltd
LICENCE NUMBER: 2104
ADDRESS: 789 Erskine Ave., Peterborough, Ont.
NAME OF DRILLER OR BORER: George Babcock
SIGNATURE OF CONTRACTOR: [signature]
SUBMISSION DATE: DAY 4 MO. 7 YR. 84

OFFICE USE ONLY

DATA SOURCE: 1
CONTRACTOR: 2104
DATE RECEIVED: 230784
DATE OF INSPECTION:
INSPECTOR:
REMARKS: loc. verified 8/16/86

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

31D1d

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4506213 MUNICIPALITY 450111 CON. CON 08

COUNTY OR DISTRICT [redacted] TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE [redacted] CON., BLOCK, TRACT, SURVEY, ETC 8 LOT 014

[redacted] #1 Campbell Croft DATE COMPLETED DAY 06 MO 06 YR 85

(21) 081760 RG 4 ELEVATION 0575 SC 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			Top Soil	0'	1'
			Sandy Brown clay	1'	8'
			Blue silty sand	8'	12'
			Blue clay	12'	27'

PWR-763 pt 3.

FEB 12 1987

(31) 0001 02 0008605 81 0012328 84 0027305

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
010	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
30"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE	3"	0	18'
24"	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	16 Gauge	18	27'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE 0006 GPM

DURATION OF PUMPING 01 HOURS 00 MINS

WATER LEVELS DURING 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
006 FEET	022 FEET	018 FEET	015 FEET	019 FEET	022 FEET

IF FLOWING, GIVE RATE ____ GPM

PUMP INTAKE SET AT ____ FEET

WATER AT END OF TEST 1 ☐ CLEAR 2 ☐ CLOUDY

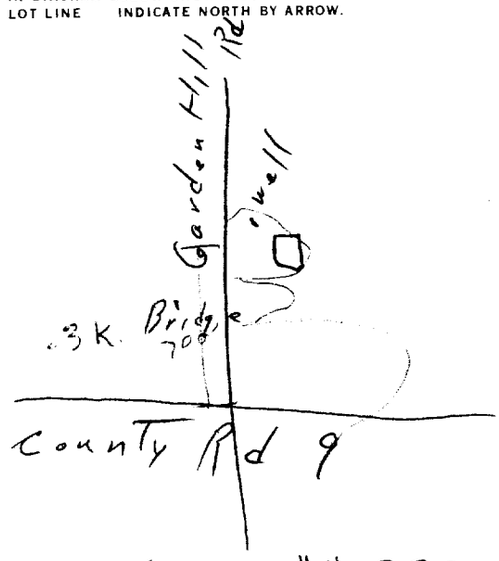
RECOMMENDED PUMP TYPE ☒ SHALLOW ☐ DEEP

RECOMMENDED PUMP SETTING 024 FEET

RECOMMENDED PUMPING RATE 0005 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS 060 - 144 - 20.

FINAL STATUS OF WELL 1

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED ☐ OTHER

METHOD OF DRILLING 6

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☒ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR Kehoe Well Drilling Ltd. LICENCE NUMBER 3129

ADDRESS Bowmanville

NAME OF DRILLER OR BORER D. Kehoe LICENCE NUMBER 3129

SIGNATURE OF CONTRACTOR T Kehoe SUBMISSION DATE DAY 6 MO 6 YR 85

OFFICE USE ONLY

DATA SOURCE 1 CONTRACTOR 3129 DATE RECEIVED 12 07 85

DATE OF INSPECTION INSPECTOR

REMARKS Reinspected down 8/16/86.

CSS.ES

FORM NO. 0506—4—77 FORM 7

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

31D1d

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4506532 MUNICIP 45011 CON. CON 97

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
~~DURHAM~~	HOPE	7	PT.of16

[redacted] 5 VENUS CRESCENT, OSHAWA,)NT. L1J-6E2

DATE COMPLETED DAY 09 MO 05 YR 80

[redacted] 58,0900 RC 4 ELEVATION 0575 RC 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
Tan			Gravelly Clay	0	30
Grey			Silty Clay	30	74
Brown			Coarse Sand (no water)	74	75
Grey			Sandy Clay (soft)	75	132
Tan			Clay & Gravel	132	134

FEB 12 1981

(31) 0030605 7275 | 0074205 84 | 0075610 | 01322058 185 | 01346051175

32

(41) WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
0134	untested
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD				
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6¼ 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0134
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN		
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

(61) PLUGGING & SEALING RECORD		
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

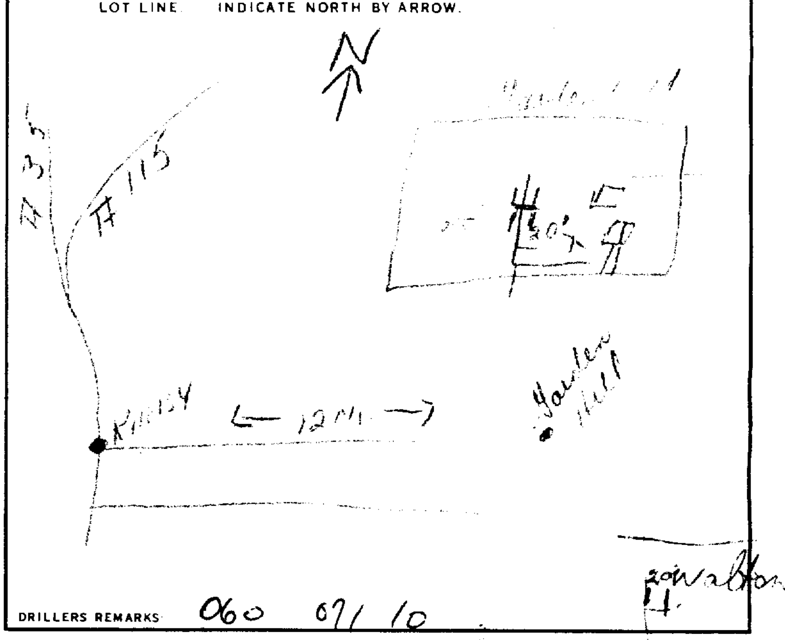
(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER	PUMPING RATE 0015 ~~app. 15~~ GPM	DURATION OF PUMPING 03 HOURS 00 MINS		
STATIC LEVEL 030 FEET	WATER LEVEL END OF PUMPING FEET	WATER LEVELS DURING 1 ☐ PUMPING 2 ☐ RECOVERY: 15 MINUTES FEET; 30 MINUTES FEET; 45 MINUTES FEET; 60 MINUTES FEET		
IF FLOWING, GIVE RATE GPM	PUMP INTAKE SET AT 134 FEET	WATER AT END OF TEST 1 ☐ CLEAR 2 ☒ CLOUDY		
RECOMMENDED PUMP TYPE ☐ SHALLOW ☒ DEEP	RECOMMENDED PUMP SETTING 134 FEET	RECOMMENDED PUMPING RATE 0015 ~~app. 15~~ GPM		

FINAL STATUS OF WELL 1	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED
WATER USE 01	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF DRILLING 1	1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS 060 671 10

CONTRACTOR	
NAME OF WELL CONTRACTOR: G.HART & SONS	LICENCE NUMBER 2517
ADDRESS: R.R.#.1 FENELON FALLS KOM 1NO	
NAME OF DRILLER OR BORER: KENNETH HART	LICENCE NUMBER 2517
SIGNATURE OF CONTRACTOR: Kenneth Hart	SUBMISSION DATE DAY 12 MO 5 YR 80

OFFICE USE ONLY		
DATA SOURCE 1	CONTRACTOR 2517	DATE RECEIVED 190281
DATE OF INSPECTION	INSPECTOR	
REMARKS: CSS.ES changed from 1905940		

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31014

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4506539 MUNICIP 4591 CON CON 08

COUNTY OR DISTRICT [redacted] TOWNSHIP, BOROUGH, CITY OR TOWN [redacted] CON., BLOCK, TRACT, SURVEY, ETC. 8 LOT 015

[redacted] R. 1, Campbellcroft, Ont. L0A 1B0 DATE COMPLETED DAY 24 MO 04 YR 80

(21) [redacted] 8 1500 RC 4 ELEVATION 0550 RC 5 BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	top soil		soft	0	2
Blue	clay		medium	2	123
Grey	gravel (washed)		hard	123	124

FEB 12 1987

(31) 000260285 012330578 012421173

32

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0124 untested	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 4 06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0124
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0020 GPM
DURATION OF PUMPING: 04 HOURS 00 MINS

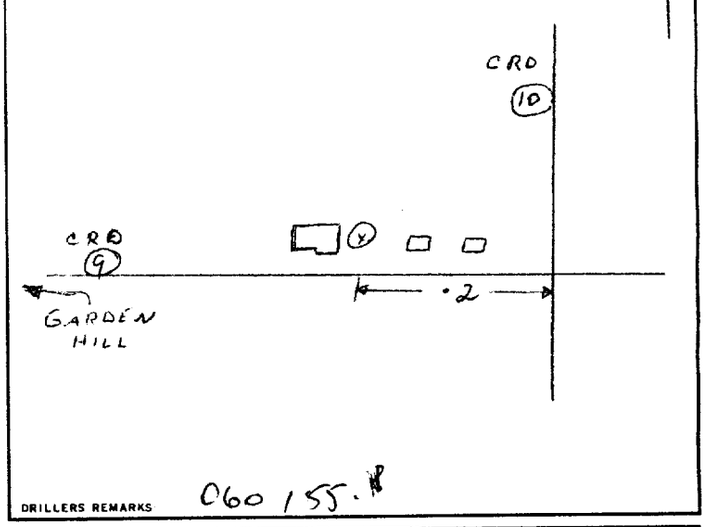
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
00 FEET	030 FEET	15 MINUTES 000 FEET	30 MINUTES Ø FEET	45 MINUTES Ø FEET	60 MINUTES Ø FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
0005 GPM	115 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	115 FEET	0010 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 060 155. K

FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 1
1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Faulkner Well Drilling Co.Ltd — LICENCE NUMBER: 2104
ADDRESS: 789 Erskine Ave., Peterborough, Ont.
NAME OF DRILLER OR BORER: Wm. Lang — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: [signature] SUBMISSION DATE: DAY 29 MO 4 YR 80

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 2104 | DATE RECEIVED 01 05 80
DATE OF INSPECTION | INSPECTOR
REMARKS: Verified Dec 3/16/86 CSS.ES changed from 1905704

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

31D1d

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act
WATER WELL RECORD

Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 4506542 MUNICIP. 45011 CON. CØN 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
[redacted]	Hope	8	017.

[redacted] RR #1 Newtonville

DATE COMPLETED 48-53 DAY 17 MO. 08 Aug YR. 79

[redacted] 881160 4 0575 5 24 (ELEVATION, RC, BASIN CODE)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Top	Soil			0	1
Brown	Sandy Clay			0	20
Grey	Clay			20	100
Sandy	Clay			100	128
Sand				128	129
Sand	Gravel			129	130
				9R 660	
			Plan FEB 12 1987		

(31) 0001 02 | 0020 0581 | 0100 205 | 0128 0581 | 0129 28 | 0130 2811

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0129 (129'-130')	1 ☑ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0'	0130'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

(61) PLUGGING & SEALING RECORD

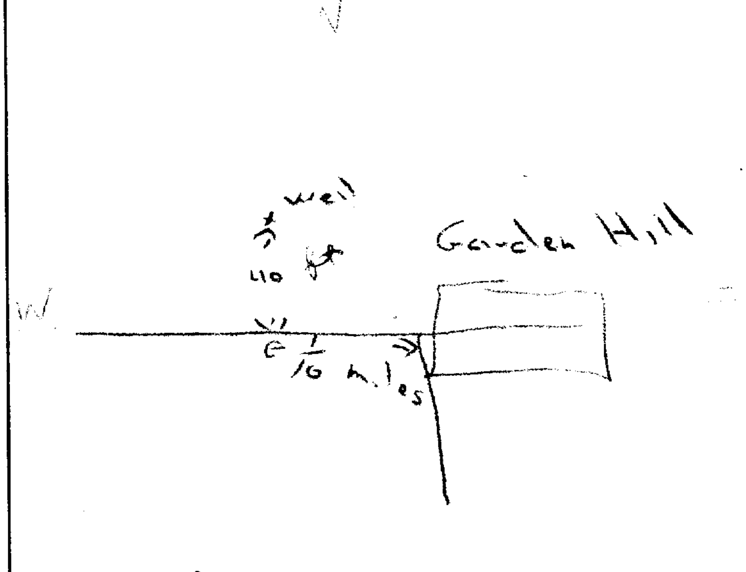
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD	1 ☐ PUMP 2 ☑ BAILER
PUMPING RATE	0008 GPM
DURATION OF PUMPING	03 HOURS 10 MINS
STATIC LEVEL	035 FEET
WATER LEVEL END OF PUMPING	120 FEET
WATER LEVELS DURING	1 ☐ PUMPING 2 ☑ RECOVERY
15 MINUTES	100 FEET
30 MINUTES	080 FEET
45 MINUTES	060 FEET
60 MINUTES	050 FEET
IF FLOWING, GIVE RATE	GPM
PUMP INTAKE SET AT	125' FEET
WATER AT END OF TEST	1 ☑ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW ☑ DEEP
RECOMMENDED PUMP SETTING	125' FEET
RECOMMENDED PUMPING RATE	0008 GPM
50-53	GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 060 176 01

FINAL STATUS OF WELL 1

1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

1 ☑ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 1

1 ☑ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	Wm Burgess Well Drilling
LICENCE NUMBER	1455
ADDRESS	RR #1 Ommet
NAME OF DRILLER OR BORER	Bill Burgess
LICENCE NUMBER	1455
SIGNATURE OF CONTRACTOR	William Burgess
SUBMISSION DATE	DAY 10 MO. Aug YR. 79

OFFICE USE ONLY

DATA SOURCE	1
CONTRACTOR	1455
DATE RECEIVED	090480
DATE OF INSPECTION	
INSPECTOR	
REMARKS	loc'n verified 7/10/86; changed from 1905684

P

WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4506764 — MUNICIP — CON. PAR 14

COUNTY OR DISTRICT: [redacted] — TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: HOPE — CON., BLOCK, TRACT, SURVEY, ETC: CONC 8 — LOT: 14

[redacted] R#1 CAMBELCROFT, ON — DATE COMPLETED: DAY 30 MO 6 YR 87

ELEVATION — BC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0'	1'
			SANDY BR. CLAY	1'	8'
			BLUE CLAY	8'	50'
			WET SILTY SAND	50'	51'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
30	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
30	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	3	0'	51
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE — DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER — PUMPING RATE: 8 GPM — DURATION OF PUMPING: 1 HOURS — MINS

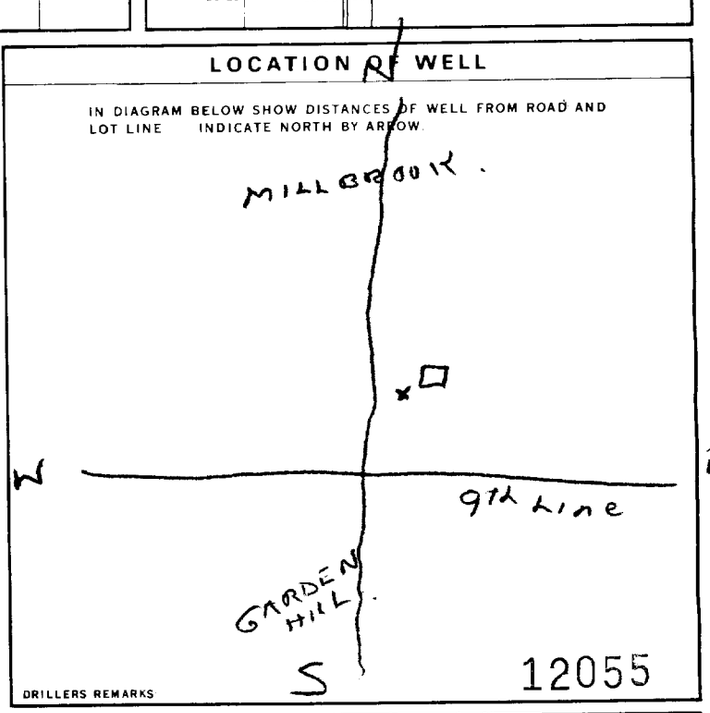
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
15 FEET	23 FEET	17 FEET	19 FEET	21 FEET	23 FEET

IF FLOWING, GIVE RATE — GPM — PUMP INTAKE SET AT: 49 FEET — WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP — RECOMMENDED PUMP SETTING: 49 FEET — RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 12055

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY — 2 ☐ OBSERVATION WELL — 3 ☐ TEST HOLE — 4 ☐ RECHARGE WELL — 5 ☐ ABANDONED, INSUFFICIENT SUPPLY — 6 ☐ ABANDONED, POOR QUALITY — 7 ☐ UNFINISHED — 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC — 2 ☐ STOCK — 3 ☐ IRRIGATION — 4 ☐ INDUSTRIAL — ☐ OTHER — 5 ☐ COMMERCIAL — 6 ☐ MUNICIPAL — 7 ☐ PUBLIC SUPPLY — 8 ☐ COOLING OR AIR CONDITIONING — 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL — 2 ☐ ROTARY (CONVENTIONAL) — 3 ☐ ROTARY (REVERSE) — 4 ☐ ROTARY (AIR) — 5 ☐ AIR PERCUSSION — 6 ☒ BORING — 7 ☐ DIAMOND — 8 ☐ JETTING — 9 ☐ DRIVING — ☐ DIGGING — ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR — WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: GORES LANDING, ONT.

NAME OF WELL TECHNICIAN: DENNIS KEHOE — WELL TECHNICIAN'S LICENCE NUMBER: 662

SIGNATURE OF TECHNICIAN/CONTRACTOR: Denny Kehoe — SUBMISSION DATE: DAY 2 MO 7 YR 87

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR — DATE RECEIVED: JUL 06 1987

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 4507011 MUNICIP CON.

COUNTY OR DISTRICT: Northumberland
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Hope
CON. BLOCK, TRACT, SURVEY, ETC.: 7
LOT: 16
[redacted]. R. 1, Campbellcroft, Ont.
DATE COMPLETED: DAY 10 MO 3 YR 88
NG RC ELEVATION RC BASIN CODE I II IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	top soil		medium	0	4
Grey	clay		medium	4	55
Grey	clay	gravel	dense	55	65
Grey	sand	gravel	loose	65	69
		Screen set from 65 to 69 ft.			

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
65 untested	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	66
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
12	6 INCHES	4 FEET

MATERIAL AND TYPE: stainless steel
DEPTH TO TOP OF SCREEN: 61 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

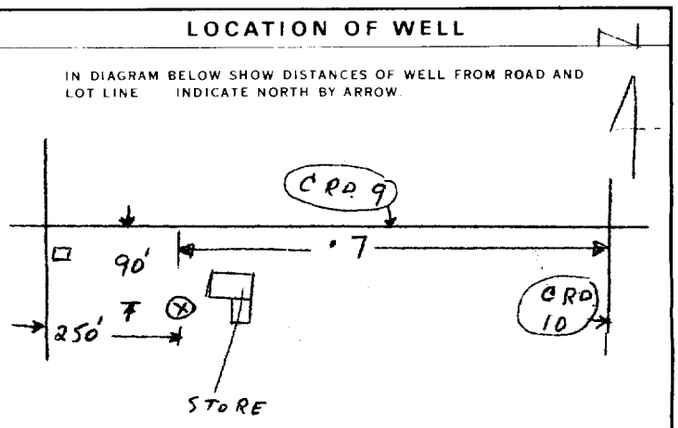
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 8 GPM
DURATION OF PUMPING: 8 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
26 FEET	35 FEET		35 FEET	35 FEET	35 FEET	35 FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 50 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 50 FEET
RECOMMENDED PUMPING RATE: 8 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



21739

DRILLERS REMARKS

FINAL STATUS OF WELL
1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; 9 ☐ DEWATERING

WATER USE
1 ☐ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☒ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF CONSTRUCTION
1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Faulkner Well Drilling Co.Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 2104
ADDRESS: 789 Erskine Ave., Peterborough, Ont.
NAME OF WELL TECHNICIAN: Allan Cavers
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: Jim Faulkner
SUBMISSION DATE: DAY 11 MO 3 YR 88

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: MAR 17 1988
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4507062

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

Sub lot - Pt. 1 Plan - 9R 1506

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Hope	7		16

[redacted] R. 1, Campbellcroft, Ont. L0A 1B0

DATE COMPLETED: DAY 18 MO 3 YR 88

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	top soil		medium	0	3
Grey	clay	gravel	packed	3	45
Grey	sand	gravel, clay	medium	45	65
Grey	sand	silt, clay	loose	65	75
Grey	clay	sand	medium	75	125
Grey	gravel	clay	packed	125	136
Brown	limestone		hard	136	150

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
65	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
148 untested	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	136
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	4 GPM	6 HOURS – MINS

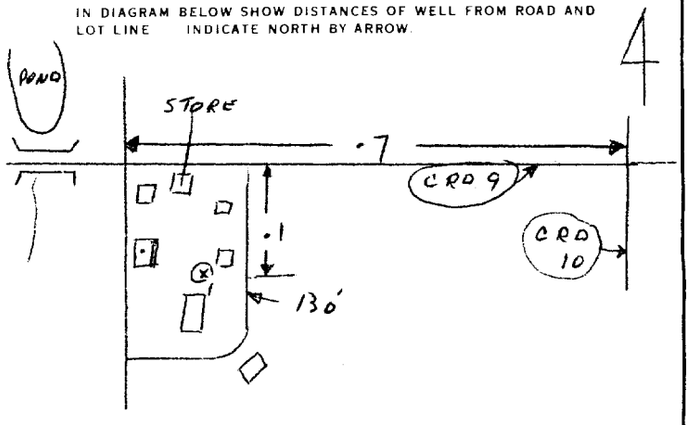
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
20 FEET	142 FEET		142 FEET	142 FEET	142 FEET	142 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
-- GPM	145 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	145 FEET	4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 5 Y W

31334

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; ☐ OTHER; 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Faulkner Well Drilling Co.Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 2104
ADDRESS: 789 Erskine Ave., Peterborough, Ont.
NAME OF WELL TECHNICIAN: Allan Cavers
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: Tom Faulkner
SUBMISSION DATE: DAY 22 NO. 3 YR. 88

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: APR 11 1988
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4507063

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON.	BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Hope	7		17

[redacted]. 1, Campbellcroft, Ont. LOA 1BO

DATE COMPLETED: DAY 28 MO 3 YR 88

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	top soil		medium	0	6
Grey	clay	sand	medium	6	60
Grey	silt	clay	medium	60	88
Grey	clay	gravel	packed	88	120
Grey	gravel	clay	packed	120	128
Brown	limestone		porous	128	155

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
65	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
140 untested	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	128
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE: | DEPTH TO TOP OF SCREEN FEET:

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

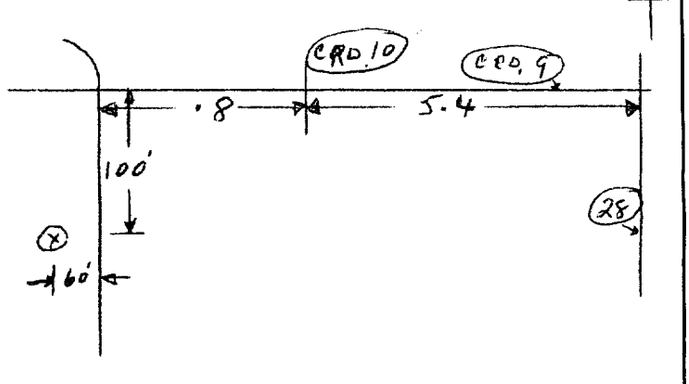
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 3 GPM
DURATION OF PUMPING: 4 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
15 FEET	150 FEET	150 FEET	150 FEET	150 FEET	150 FEET

IF FLOWING, GIVE RATE: -- GPM
PUMP INTAKE SET AT: 150 FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 150 FEET
RECOMMENDED PUMPING RATE: 3 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



31340

DRILLERS REMARKS: 5 Y W

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Faulkner Well Drilling Co.Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 2104
ADDRESS: 789 Erskine Ave., Peterborough, Ont.
NAME OF WELL TECHNICIAN: Allan Cavers
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: Tom Faulkner
SUBMISSION DATE: DAY 30 MO 3 YR 88

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: APR 11 1988
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4507123

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	[redacted]	8	17

DATE COMPLETED: DAY 12 MO 1 YR 88

[redacted] R.R.#1 CAMPBELLCROFT, ONTARIO.

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			TOP SOIL	0	1
WHITE	CLAY	SAND		1	42
BROWN	GRAVEL		FINE	42	50

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
50	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	50
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
12	6 INCHES	6'6" FEET

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 43'6" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

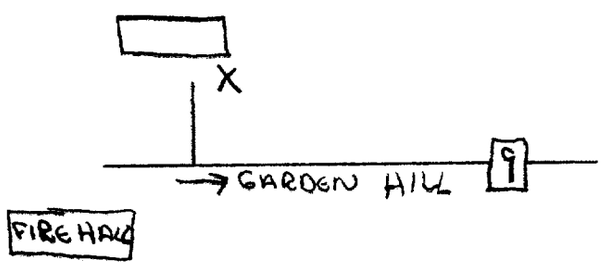
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	7 GPM	2 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
32 FEET	40 FEET		FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	45 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



WELL(x) to HOUSE(☐) -- 20'
WELL(x) to ROAD ------- 75'

DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELL DRILLING, Ltd. — LICENCE NUMBER: 4635

ADDRESS: R.R.#2 CAVAN, ONTARIO. L0A 1C0

NAME OF DRILLER OR BORER: same — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR:

SUBMISSION DATE: DAY 1 MO. 2 YR. 88

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 4635 | DATE RECEIVED: MAY 26 1988

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment

Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4507128 | MUNICIP | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Hope	Conc 8	14

[redacted] 55 VICTORIA PK | DATE COMPLETED: DAY 26 MO 4 YR 88

[redacted] TORONTO, ONT | ELEVATION | RC | BASIN CODE: MHB 258

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
			TOP SOIL	0'	1'
			SAND	1'	10'
			BROWN CLAY	10'	22'
			GR. SAND & WATER	22'	24'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
22'	1 ☑ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
30	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☑ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	3"	0'	24'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☑ BAILER	PUMPING RATE: 8 GPM	DURATION OF PUMPING: 1 HOURS — MINS	

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
5' FEET	11' FEET	7 FEET	9 FEET	10 FEET	11 FEET

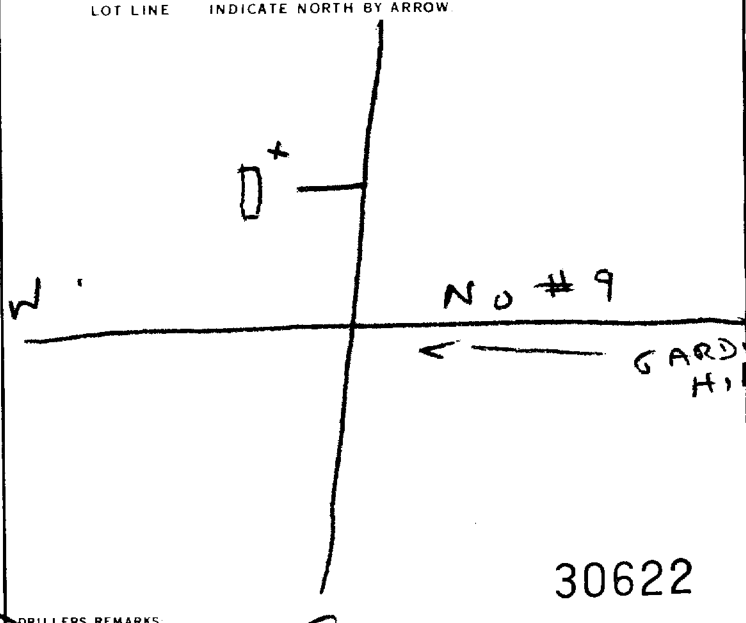
WATER LEVELS DURING: 1 ☑ PUMPING 2 ☐ RECOVERY

IF FLOWING, GIVE RATE: GPM | PUMP INTAKE SET AT: 22 FEET | WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☑ SHALLOW ☐ DEEP | RECOMMENDED PUMP SETTING: 22 FEET | RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



30622

FINAL STATUS OF WELL

1 ☑ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED
9 ☐ DEWATERING

WATER USE

1 ☑ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
☐ OTHER
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☑ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING
☐ DIGGING
☐ OTHER

DRILLERS REMARKS

CONTRACTOR

NAME OF WELL CONTRACTOR: ~~KEHOE WELL DRILLING LTD~~ WARD WELL BORING | WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: GORES LANDING, ONT

NAME OF WELL TECHNICIAN: DENNIS KEHOE | WELL TECHNICIAN'S LICENCE NUMBER: 662

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature] | SUBMISSION DATE: DAY 2 MO. 5 YR. 88

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 3129 | DATE RECEIVED: MAY 06 1988

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 4507281 MUNICIP 4501 CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
Northumberland	Hope (Garden Hill)	7 Sub/Lot 10	15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
PAW Developments Inc.	R.R.#1, Campbellcroft, Ont.	DAY 08 MO Aug. YR 88

21 ZONE EASTING NORTHING RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay			0	12
Gray	Clay & Stones			12	133
Gray	Gravel			133	134

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
133-134	2 ☒ SALTY (UNTESTED)
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4"	1 ☒ STEEL	.188	0	134
	2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE — DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Holeplug

71 PUMPING TEST

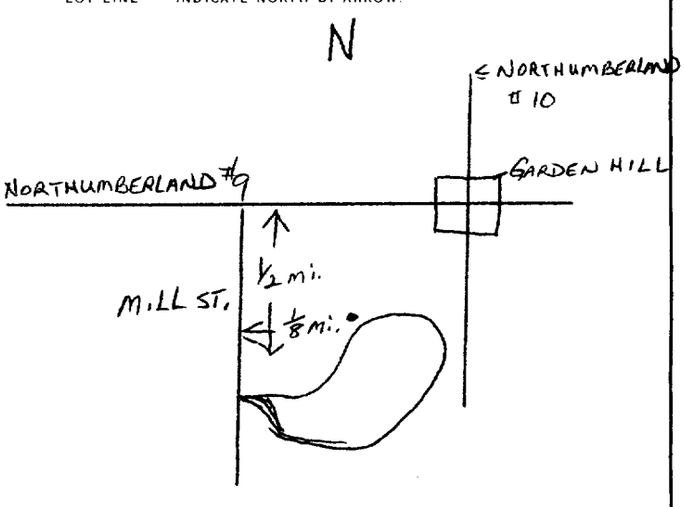
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP Air 2 ☐ BAILER	12 GPM	3 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
+2 FEET	120 FEET		120 FEET	FEET	FEET	120 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	120 FEET	10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



29957

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☒ OTHER Test 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 2662

ADDRESS: Box 850, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN: Cecil Johnston — WELL TECHNICIAN'S LICENCE NUMBER: T-0275

SIGNATURE OF TECHNICIAN/CONTRACTOR: Clark Watson — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 2662 — DATE RECEIVED: AUG 23 1988

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507283 — MUNICIP 4501 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
Northumberland	Hope (Garden Hill)	8 Sub/Lot 2	S/E 15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
PAW Developments Inc.	R.R.# 1, Campbellcroft, Ont.	DAY 02 MO Aug YR 88

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — BC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay			0	6
Gray	Clay & Silt			6	134
Gray	Clay & Stones			134	145
Gray	Limestone			145	263

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
220	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	144 1/2
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Benseal & Cuttings

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — Air	2 GPM	2 HOURS 45 MINS

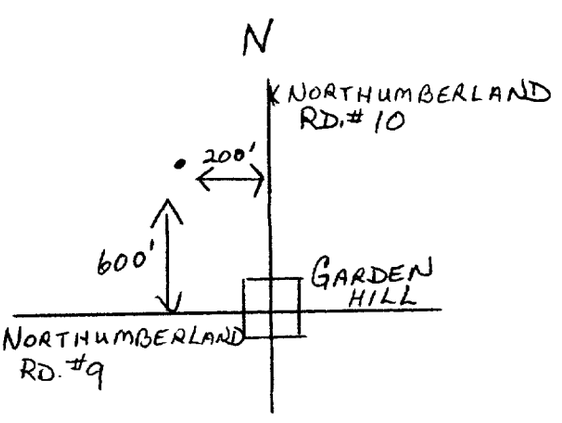
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
20 FEET	263 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	263 FEET	FEET	FEET	263 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	260 FEET	2 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



29955

DRILLERS REMARKS

FINAL STATUS OF WELL
1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; 9 ☐ DEWATERING

WATER USE
1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; ☒ OTHER Test Well; 9 ☐ NOT USED

METHOD OF CONSTRUCTION
1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☒ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 2662
ADDRESS: Box 850, Fenelon Falls, Ont.
NAME OF WELL TECHNICIAN: Cecil Johnston — WELL TECHNICIAN'S LICENCE NUMBER: T-0275
SIGNATURE OF TECHNICIAN/CONTRACTOR: Claude Watson — SUBMISSION DATE: DAY ____ MO ____ YR ____

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR 2662 — DATE RECEIVED AUG 23 1988
DATE OF INSPECTION — INSPECTOR
REMARKS

CSS.ES

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507284 — MUNICIP 4501 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope (Garden Hill)	8 Sub/Lot 1	S/E 15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
PAW Developments Inc.	R.R.# 1, Campbellcroft, Ont.	DAY 05 MO Aug. YR 88

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay			0	12
Gray	Clay			12	85
Gray	Sandy Clay			85	92
Gray	Clay			92	150
Gray	Limestone			150	162

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
155	1 ☒ FRESH 2 ☐ SALTY (UNTESTED) 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	150
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE — DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
0	20	Benseal & Cuttings

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ POINT 2 ☐ BAILER Air	7 GPM	3 HOURS 15 MINS

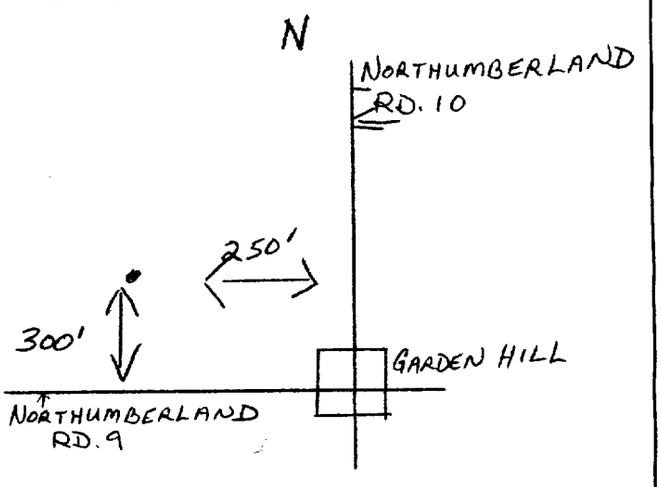
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
25 FEET	140 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	140 FEET	FEET	FEET	140 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	150 FEET	6 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



29954

DRILLERS REMARKS

FINAL STATUS OF WELL	
	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 8 ☐ ABANDONED, INSUFFICIENT SUPPLY 8 ☐ ABANDONED POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED ☒ OTHER Test
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 2662

ADDRESS: Box 850, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN: Cecil Johnston — WELL TECHNICIAN'S LICENCE NUMBER: T-0275

SIGNATURE OF TECHNICIAN/CONTRACTOR: Clarke Hart — SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR 2662 — DATE RECEIVED AUG 23 1988

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507285 — MUNICIP 45011 — CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT	DATE COMPLETED
[redacted]	(Garden Hill)	8	Sub/Lot 10 S/E 15	DAY 29 MO July YR 88

[redacted] 1, Campbellcroft, Ont. L0A 1B0 — Hole#1

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay			0	8
Gray	Clay & Sand seams			8	98
Gray	Clay & Stones			98	103
Gray	Gravel			103	108

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
103-108	1 ☐ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4"	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+2	105
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
25	6 INCHES	3 FEET	S.S.	105 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	20	Benseal & Holeplug

71 PUMPING TEST

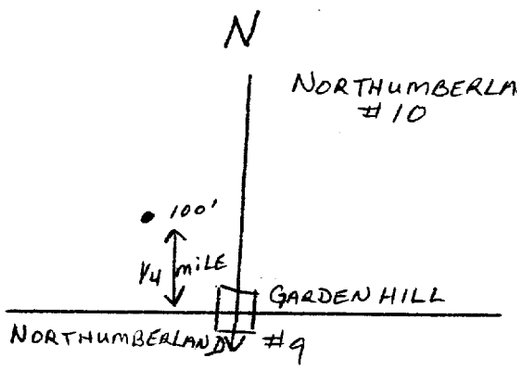
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☐ BAILER — Air	7 GPM	3 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	100 FEET		100 FEET	FEET	FEET	100 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY	☐ SHALLOW ☒ DEEP	100 FEET	6 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



29950

DRILLERS REMARKS

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED ☒ OTHER — Test Hole
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 2662

ADDRESS: Box 850, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN: Cecil Johnston — WELL TECHNICIAN'S LICENCE NUMBER: T-0275

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature] — SUBMISSION DATE: DAY ___ MO. ___ YR. ___

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 2662 — DATE RECEIVED: AUG 23 1988

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507613 — MUNICIP 4501 — CON. CON — LOT 08

COUNTY OR DISTRICT: [illegible] — TOWNSHIP; BOROUGH, CITY, TOWN, VILLAGE: Hope — CON., BLOCK, TRACT, SURVEY, ETC: Conc #8 — LOT: # 18

[redacted] Box 11 Newtonville Ont — DATE COMPLETED: DAY 12 MO 1 YR 89

RC — ELEVATION — RC — BASIN CODE: 4 6 A 1 5 0

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
			Top Soil	0'	1'
			Clay + Sand	1'	8'
			BLUE Clay	8'	15'
			Clay & WaTeR	15'	24'
			Stoney Clay	24'	26'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
15' & 24'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
30"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☒ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	3"	0'	26'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☑ BAILER — PUMPING RATE: 8 GPM — DURATION OF PUMPING: 1 HOURS ___ MINS

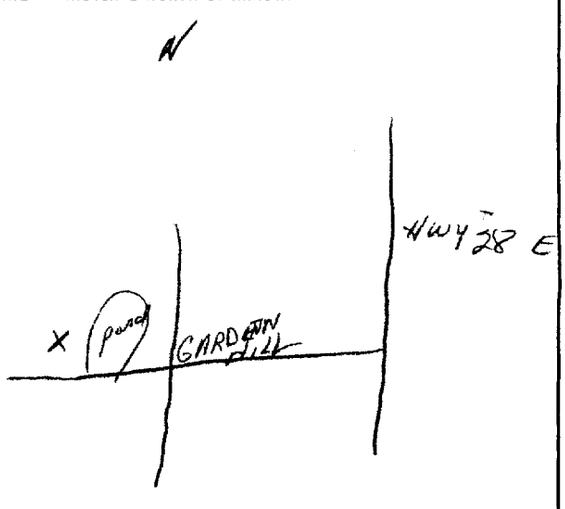
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
4' FEET	10 FEET		6 FEET	8 FEET	9 FEET	10 FEET

IF FLOWING, GIVE RATE: ___ GPM — PUMP INTAKE SET AT: 24' FEET — WATER AT END OF TEST: 1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☑ SHALLOW ☐ DEEP — RECOMMENDED PUMP SETTING: 24' FEET — RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



45614

DRILLERS REMARKS: KEHOE WELL DRILLING LTD

FINAL STATUS OF WELL

1 ☑ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☑ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: WARD WELL BORING — WELL CONTRACTOR'S LICENCE NUMBER: 3129

ADDRESS: GORES LANDING Ont K0K 2E0

NAME OF WELL TECHNICIAN: TERRY KEHOE — WELL TECHNICIAN'S LICENCE NUMBER: 663

SIGNATURE OF TECHNICIAN/CONTRACTOR: Terry Kehoe — SUBMISSION DATE: DAY 16 MO 1 YR 89

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 3129 — DATE RECEIVED: JAN 23 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: WDE — CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507684 — MUNICIP 450.11 — CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope	8 sub/lot 2	S/ 15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
PAW Developments Inc.	R.R.#1, Campbellcroft, Ont.	DAY 9 MO Dec. YR 88

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay			0	6
Blue Gray	Clay		Soft	6	62
Gray	Sand			62	67' 8½"

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
62 to 67	2 SALTY — UNTESTED

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 STEEL	.188	0	63

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	6 INCHES	4 FEET

MATERIAL AND TYPE: S.S. — DEPTH TO TOP OF SCREEN: 60 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
20	0	Mud Slurry

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 BAILER	5 GPM	3 HOURS ___ MINS

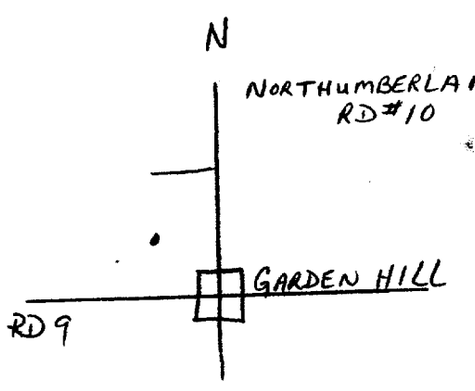
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
13.82 FEET	38.84 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	25.81 FEET	28.20 FEET	FEET	29.83 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	63 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	62 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



45814

DRILLERS REMARKS

FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; ☐ DEWATERING

WATER USE: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF CONSTRUCTION: 1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
G. Hart & Sons Well Drilling Ltd.	2662

ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Ken Hart	T-0269

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature] — SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE 58 — CONTRACTOR 59-62: 2662 — DATE RECEIVED 63-66: FEB 17 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: WDE — CSS.ES

FORM NO. 0506 (11/86) FORM 9

MINISTRY OF THE ENVIRONMENT COPY

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507685 — MUNICIP 45011 — CON. CON 08

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted]
CON. BLOCK, TRACT, SURVEY, ETC: 8 sub/lot 14
LOT: 15
DATE COMPLETED: DAY 20 MO Dec. YR 88
ADDRESS OF WELL: [redacted], Campbellcroft, Ont.
RC. | ELEVATION | RC. | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay & Sand			0	18
Gray	Clay & Silt			18	67
Gray	Gravel			67	72

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
69	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+2	69
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
25	6 INCHES	3 FEET

MATERIAL AND TYPE: S.S.
DEPTH TO TOP OF SCREEN: 67' 5" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
17	12	Benseal
12	0	Mud Cuttings

71 PUMPING TEST

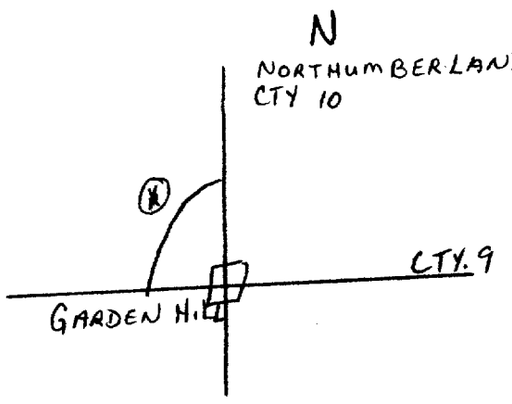
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 5 GPM
DURATION OF PUMPING: 3 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY — 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10-40 FEET	14.90 FEET	12.85 FEET	12.98 FEET	FEET	13.32 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 65 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 69 FEET
RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



45824

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 2662
ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ont.
NAME OF WELL TECHNICIAN: Jim Lean
WELL TECHNICIAN'S LICENCE NUMBER: T-0546
SIGNATURE OF TECHNICIAN/CONTRACTOR: Clarke Hart
SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 2662
DATE RECEIVED: FEB 17 1989
DATE OF INSPECTION
INSPECTOR
REMARKS: WDE

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507686 — MUNICIP 450.1.1 — CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY ETC	LOT
Northumberland	Hope (Garden Hill)	8 Sub/Lot 1	15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Paw Developments Inc.	R.R.#1, Campbellcroft, Ont.	DAY 15 MO Dec. YR 88

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay			0	6
Gray	Sand & Clay			6	60
Brown	Sand			60	67

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
64	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — WAS TESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+2	64
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
16	6 INCHES	3 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
S.S.	62' 5" FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
18	14	Benseal
14	0	Mud & Cuttings

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	5 GPM	3 HOURS ___ MINS

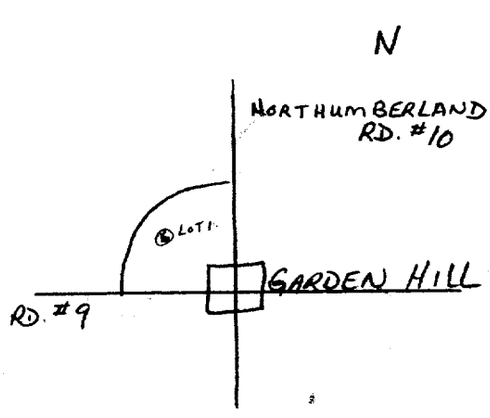
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
9' 7" FEET	33' 2" FEET	1 ☒ PUMPING 2 ☐ RECOVERY	27 FEET	29' 9" FEET	31 FEET	31' 2" FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	65 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	7 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



45822

DRILLERS REMARKS

FINAL STATUS OF WELL	WATER USE	METHOD OF CONSTRUCTION
1 ☒ WATER SUPPLY	1 ☒ DOMESTIC	1 ☒ CABLE TOOL
2 ☐ OBSERVATION WELL	2 ☐ STOCK	2 ☐ ROTARY (CONVENTIONAL)
3 ☐ TEST HOLE	3 ☐ IRRIGATION	3 ☐ ROTARY (REVERSE)
4 ☐ RECHARGE WELL	4 ☐ INDUSTRIAL	4 ☐ ROTARY (AIR)
5 ☐ DEWATERING	☐ OTHER	5 ☐ AIR PERCUSSION
6 ☐ ABANDONED, INSUFFICIENT SUPPLY	5 ☐ COMMERCIAL	6 ☐ BORING
6 ☐ ABANDONED, POOR QUALITY	6 ☐ MUNICIPAL	7 ☐ DIAMOND
7 ☐ UNFINISHED	7 ☐ PUBLIC SUPPLY	8 ☐ JETTING
	8 ☐ COOLING OR AIR CONDITIONING	9 ☐ DRIVING
	9 ☐ NOT USED	☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
G. Hart & Sons Well Drilling Ltd.	2662

ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Jim Lean	T-0546

SIGNATURE OF TECHNICIAN/CONTRACTOR: Clarke Watts — SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	2662	FEB 17 1989

DATE OF INSPECTION: — INSPECTOR:

REMARKS: WDE — CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507693 — MUNICIP 450111 — CON. CON 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	HOPE	7	16

[redacted] 2 CAMPBELL CROFT

DATE COMPLETED: DAY 31 MO 10 YR 88

NG | RC | ELEVATION | BC | BASIN CODE (I, II, III, IV)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BLACK			TOP SOIL	0	1
GREY	CLAY	GRAVEL		1	20
GREY	CLAY			20	35
WHITE	CLAY	GRAVEL		35	74
BROWN	SAND	SILT		75	88
BROWN	SAND			88	90

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
90	1 ☑ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☑ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	87
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
10	5 INCHES	7 FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN
S.S	87 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	10	BENSEAL

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☑ BAILER

PUMPING RATE: 6 GPM — DURATION OF PUMPING: 3 HOURS 00 MINS

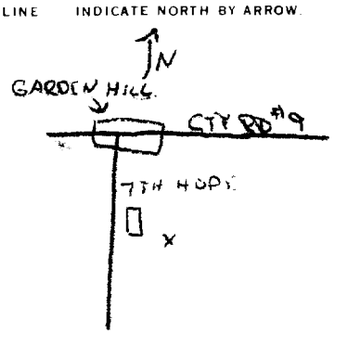
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
65 FEET	5 FEET		FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	88 FEET	1 ☑ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☑ DEEP	88 FEET	4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



WELL TO HOUSE —
WELL TO ROAD —

36152

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☑ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED; 9 ☐ DEWATERING

WATER USE

1 ☑ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☑ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING; ☐ DIGGING; ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: ROBERT RUTH WELL DRILLING LTD — WELL CONTRACTOR'S LICENCE NUMBER: 4635

ADDRESS: RR # 2 CAVAN

NAME OF WELL TECHNICIAN: DOUG RUTH — WELL TECHNICIAN'S LICENCE NUMBER: T-290

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature] — SUBMISSION DATE: DAY 31 MO 10 YR 88

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 4635 — DATE RECEIVED: FEB 03 1989

DATE OF INSPECTION — INSPECTOR

REMARKS

WDE

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507697 — MUNICIP 450LU — CON. CON 108

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope (Garden Hill)	8 sub/lot 29	15

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Paw Developments Inc.	R.R.#1, Campbellcroft, Ont.	DAY 3 MO Jan. YR 89

21 — ZONE — EASTING — NORTHING — RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay & Gravel			0	16
Gray	Clay & Silt			16	50
Gray	Clay & Lense of Gravel			50	70
Gray	Clay			70	87
Gray	Clay & Lense of Gravel			87	95
Gray	Clay			95	124
Gray	Clay & Lense of Gravel			124	129
Gray	Clay			129	1412
Gray	Gravel			141	143
Gray	Limestone			1431	144

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
143	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	143
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
18	10	Benseal
10	0	Mud & Cuttings

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER — PUMPING RATE: 5 GPM — DURATION OF PUMPING: 3 HOURS 30 MINS

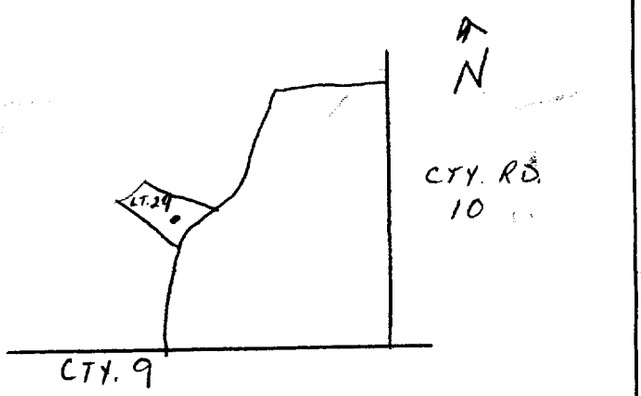
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
13'3" FEET	22'8" FEET		13'3" FEET	26'3" FEET	28 FEET	29'2" FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	70 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	140 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



45820

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 2662

ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN: Jim Lean — WELL TECHNICIAN'S LICENCE NUMBER: T-0546

SIGNATURE OF TECHNICIAN/CONTRACTOR: Clarke Water — SUBMISSION DATE: DAY ____ MO ____ YR. ____

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 2662 — DATE RECEIVED: FEB 17 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: WDE — CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4507810 — MUNICIP 45011 — CON. CON — 08

Sublot 2

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	[redacted]	Con 8	17

[redacted] 4 Port Hope, ON L1A 3V8

DATE COMPLETED: DAY 03 MO 04 YR 89

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Black	Clay loom			0	2
Brey	Sandy clay	Stone		2	30
Grey	Gravel clay	Little water		30	40
Grey	Gravel clay			40	55
Grey	Medium XXXsand with water			55	66
Grey	Clay stone			66	79
Grey	Sandy clay with water			79	138
Grey	Limestone Rock			138	154

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
138	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	140
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	4 GPM	3 HOURS 0 MINS

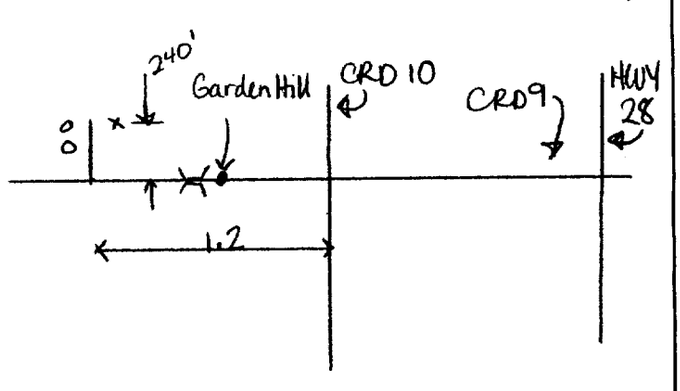
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
25 FEET	150 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	150 FEET	150 FEET	150 FEET	150 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
-- GPM	150 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	150 FEET	4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



56878

DRILLERS REMARKS

FINAL STATUS OF WELL	1 ☐ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☒ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☒ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: FAULKNER WELL DRILLING CO. LTD. — WELL CONTRACTOR'S LICENCE NUMBER: 2104

ADDRESS: 789 Erskine Avenue, Peterborough

NAME OF WELL TECHNICIAN: George Babcock — WELL TECHNICIAN'S LICENCE NUMBER: T0414

SIGNATURE OF TECHNICIAN/CONTRACTOR: Jim Faulkner — SUBMISSION DATE: DAY 03 MO 4 YR 89

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 2104 — DATE RECEIVED: APR 18 1989

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508152 | MUNICIP 45011 | CON. CON | 08

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Hope (Garden Hill)
CON. BLOCK, TRACT, SURVEY, ETC.: 8, Plan 9M732, Sub/lot 31
LOT: 15
[redacted].#1, Campbellcroft, Ont. LOA 1B0
DATE COMPLETED: DAY 24 MO July YR 89

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Topsoil			0	2
Brown	Sandy Clay			2	20
Gray	Sandy Clay			20	42
Gray	Silty Clay			42	77
Gray	Clay Silt			77	149
Brown	Gravel & Sand			149	154

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
154	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — WATER TESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1½'	154
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
20	16	Benseal
16	14	Holeplug
14	0	Mud Slurry

71 PUMPING TEST

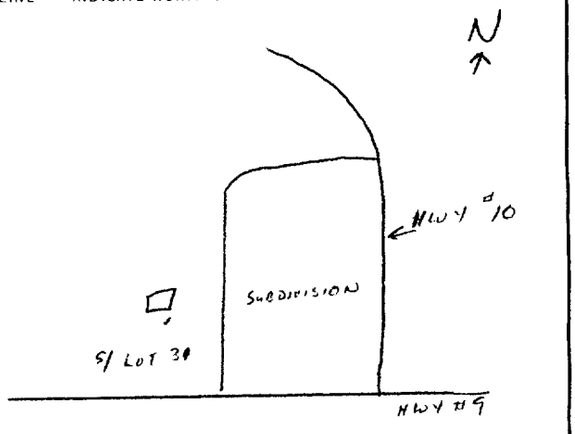
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 4 GPM
DURATION OF PUMPING: 2 HOURS ___ MINS
STATIC LEVEL: 35 FEET
WATER LEVEL END OF PUMPING: 147 FEET
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
147 FEET	147 FEET	147 FEET	147 FEET

IF FLOWING, GIVE RATE: ___ GPM
PUMP INTAKE SET AT: ___ FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 150 FEET
RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



25957

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 2662
ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ont.
NAME OF WELL TECHNICIAN: Ed Gladney
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 2662
DATE RECEIVED: SEP 27 1989
DATE OF INSPECTION
INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508153 | MUNICIP 4501 | CON. CON | 08

COUNTY OR DISTRICT: [redacted]

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted]arden Hill

CON. BLOCK, TRACT, SURVEY, ETC: 8, Plan 9M732 Sub/Lot 32

LOT: 15

DATE COMPLETED: DAY 31 MO JULY YR 89

ADDRESS OF WELL: [redacted]R.#2, Bownmanville, Ont. L1C 3K3

RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Topsoil			0	4
Brown	Sandy Clay			4	20
Gray	Silty Clay			20	137
Brown	Sandy Silt			137	140
Brown	Coarse Gravel			140	144

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
144	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 5 ☐ GAS — UNTESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+1½	144
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE: | DEPTH TO TOP OF SCREEN FEET:

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
20	16	Benseal
16	12	Holeplug
12	0	Mud Slurry

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 6 GPM

DURATION OF PUMPING: 2 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
34 FEET	138 FEET	138 FEET	138 FEET	138 FEET	138 FEET

IF FLOWING, GIVE RATE: ___ GPM

PUMP INTAKE SET AT: ___ FEET

WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

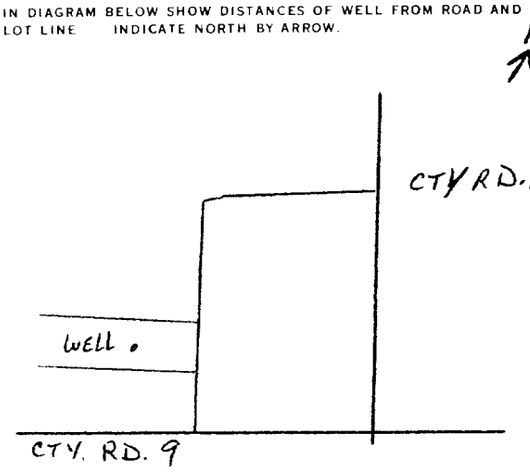
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 140 FEET

RECOMMENDED PUMPING RATE: 6 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



25960

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: G. Hart & Sons Well Drilling Ltd.

WELL CONTRACTOR'S LICENCE NUMBER: 2662

ADDRESS: Box 850, R.R.#1, Fenelon Falls, Ont.

NAME OF WELL TECHNICIAN: Ed Gladney

WELL TECHNICIAN'S LICENCE NUMBER:

SIGNATURE OF TECHNICIAN/CONTRACTOR:

SUBMISSION DATE: DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE:

CONTRACTOR: 2662

DATE RECEIVED: SEP 27 1989

DATE OF INSPECTION:

INSPECTOR:

REMARKS:

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508346 | MUNICIP 450111 | CON. CON 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	Hope	Concession 8	PL14

[redacted] #1, Campbellcroft, Ont.

DATE COMPLETED: DAY 06 MO 11 YR 89

21 | M | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top Soil			0	1
Grey	Clay	Sand	Soft	1	8
Grey	Clay		Soft	8	55
Grey	Gravel		Loose	55	60

31 | 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
55	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	60
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
60	58	Benseal
10	-88	Benseal
08	0	Clay, Sand

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	8 GPM	1 HOURS ¼ MINS

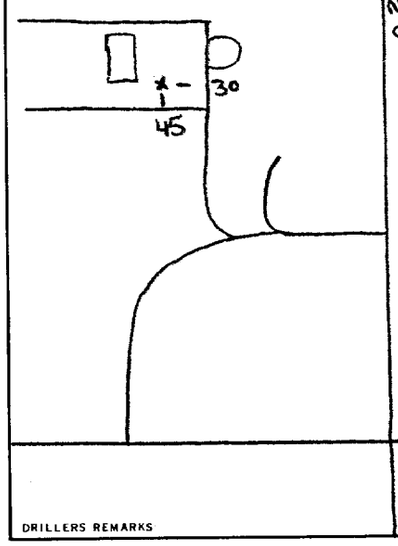
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
03 FEET	04 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	04 FEET	04 FEET	04 FEET	04 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	45 FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	45 FEET	06 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



64529

DRILLERS REMARKS

FINAL STATUS OF WELL	WATER USE	METHOD OF CONSTRUCTION
1 ☒ WATER SUPPLY	1 ☒ DOMESTIC	1 ☐ CABLE TOOL
2 ☐ OBSERVATION WELL	2 ☐ STOCK	2 ☒ ROTARY (CONVENTIONAL)
3 ☐ TEST HOLE	3 ☐ IRRIGATION	3 ☐ ROTARY (REVERSE)
4 ☐ RECHARGE WELL	4 ☐ INDUSTRIAL	4 ☐ ROTARY (AIR)
5 ☐ ABANDONED, INSUFFICIENT SUPPLY	5 ☐ COMMERCIAL	5 ☐ AIR PERCUSSION
6 ☐ ABANDONED, POOR QUALITY	6 ☐ MUNICIPAL	6 ☐ BORING
7 ☐ UNFINISHED	7 ☐ PUBLIC SUPPLY	7 ☐ DIAMOND
☐ DEWATERING	8 ☐ COOLING OR AIR CONDITIONING	8 ☐ JETTING
	9 ☐ NOT USED	9 ☐ DRIVING
	☐ OTHER	☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
L & B Well Drilling Service	6004

ADDRESS: P.O.Box 502, Colborne, Ont. K0K 1S0

NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
Tom Tucker	T0492

SIGNATURE OF TECHNICIAN/CONTRACTOR | SUBMISSION DATE: DAY 17 MO 11 YR 89

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 6004 | DATE RECEIVED NOV 20 1989

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508462 | MUNICIP 450111 | CON. CON 107

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	[redacted]	CONC. 7	16

[redacted]. 1 CAMPBELLCROFT, ONTARIO LOA 1BO

DATE COMPLETED: DAY 26 MO 01 YR 90

RC. | ELEVATION | RC. | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY	STONES	MEDIUM	0	20
GREY	CLAY			20	73
BROWN	SAND	LAYERED		73	76
		SCREEN SET FROM 72FT. TO 76FT.			

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
73-76	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	73
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
12	6 INCHES	8 FEET

MATERIAL AND TYPE: STAINLESS STEEL

DEPTH TO TOP OF SCREEN: 68 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	3 GPM	2 HOURS 0 MINS

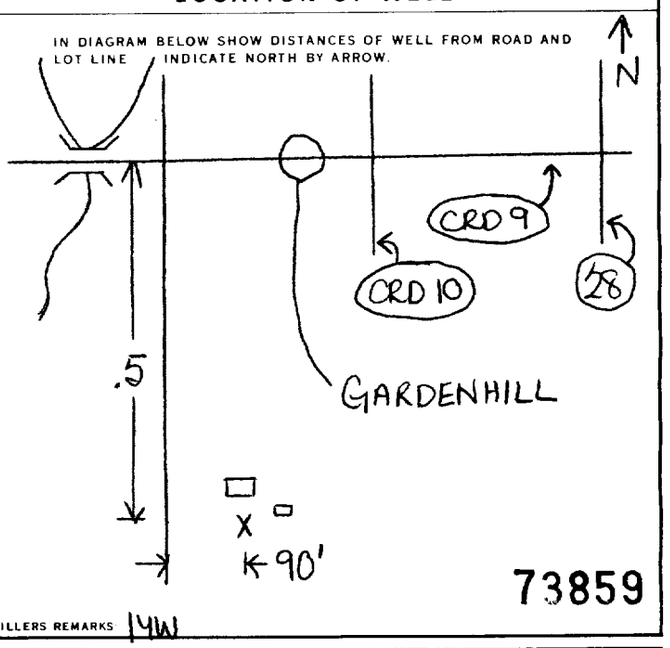
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☒ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
55 FEET	70 FEET		70 FEET	70 FEET	70 FEET	70 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	72 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	72 FEET	3 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



73859

DRILLERS REMARKS: HW

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: FAULKNER WELL DRILLING CO. LTD.
WELL CONTRACTOR'S LICENCE NUMBER: 2104

ADDRESS: 789 Erskine Avenue, Peterborough

NAME OF WELL TECHNICIAN: DON MILLER
WELL TECHNICIAN'S LICENCE NUMBER: T014

SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]

SUBMISSION DATE: DAY 26 MO. 01 YR 90

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 2104 | DATE RECEIVED FEB 13 1990

DATE OF INSPECTION | INSPECTOR

REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4508675 — MUNICIP 4501 — CON. CON — 08

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
[redacted]	[redacted]	8	18

[redacted] arden Hill

DATE COMPLETED 48-53: DAY 21 MO 6 YR 90

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Dk. B.r	Top Soil		Soft	0	2
Lt. Br.	Sandy Clay		Soft	2	12
Grey	Clay		Dense	12	47
Grey	Sandy clay		Packed	47	75
Brown	Sand		Loose With Pressure	75	79
		Chlorinated Well			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
79	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6-1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	75
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
6	5 INCHES	4 FEET

MATERIAL AND TYPE: Stianless Steel — DEPTH TO TOP OF SCREEN: 75 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
10	8	Bentonite
8	0	Clay Sand

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 3 GPM — DURATION OF PUMPING: 2 HOURS 45 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
38 FEET	74b FEET	74 FEET	74 FEET	74 FEET	74 FEET

IF FLOWING, GIVE RATE: — GPM

PUMP INTAKE SET AT: — FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

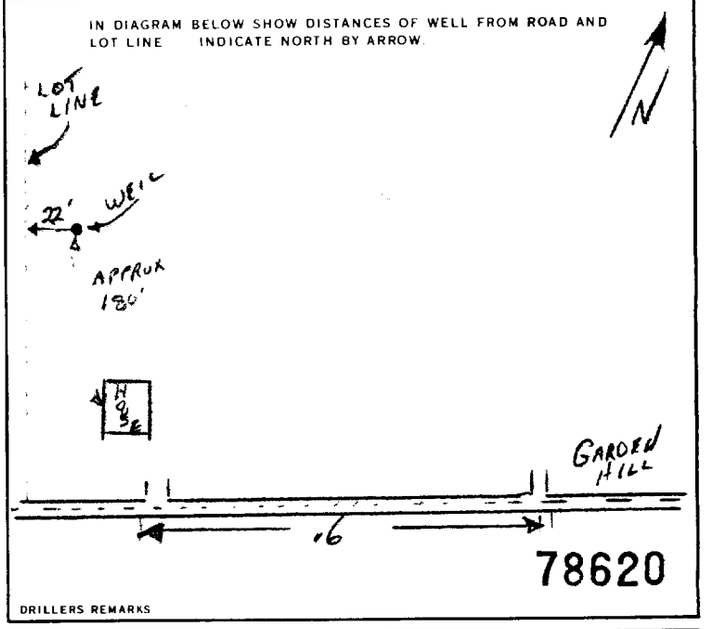
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 73 FEET

RECOMMENDED PUMPING RATE: 2 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



78620

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY — 2 ☐ OBSERVATION WELL — 3 ☐ TEST HOLE — 4 ☐ RECHARGE WELL — 5 ☐ ABANDONED, INSUFFICIENT SUPPLY — 6 ☐ ABANDONED, POOR QUALITY — 7 ☐ UNFINISHED — ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC — 2 ☐ STOCK — 3 ☐ IRRIGATION — 4 ☐ INDUSTRIAL — ☐ OTHER — 5 ☐ COMMERCIAL — 6 ☐ MUNICIPAL — 7 ☐ PUBLIC SUPPLY — 8 ☐ COOLING OR AIR CONDITIONING — 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL — 2 ☐ ROTARY (CONVENTIONAL) — 3 ☐ ROTARY (REVERSE) — 4 ☐ ROTARY (AIR) — 5 ☐ AIR PERCUSSION — 6 ☐ BORING — 7 ☐ DIAMOND — 8 ☐ JETTING — 9 ☐ DRIVING — ☐ DIGGING — ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Herb Lang Well Drilling Ltd. — WELL CONTRACTOR'S LICENCE NUMBER: 3367

ADDRESS: R. R. #1 Omemee, Ontario

NAME OF WELL TECHNICIAN: Herb Lang — WELL TECHNICIAN'S LICENCE NUMBER: T0092

SIGNATURE OF TECHNICIAN/CONTRACTOR: Herb Lang — SUBMISSION DATE: DAY 21 MO 6 YR 90

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR: 3367 — DATE RECEIVED: JUN 27 1990

DATE OF INSPECTION — INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 4508763 — MUNICIP 450111 — CON. CON 98

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope	8	20

[redacted] ewtonville

DATE COMPLETED: DAY 25 MO 6 YR 90

RC | ELEVATION | RC | BASIN CODE (I, II, III, IV)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Dk. Br.	Top Soil		Soft	0	1
Lt. Br.	Sand		Packed	1	12
Grey	Clay		Dense	12	43
Grey	Gravel & Clay	Sand	Loose	43	59
Brown	Coarse Water	Gravel & Sand	Loose	59	60
					6
		Chlorinated Well			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
60	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6-1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	60
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD, PACKER, ETC.)
10	0	Ez Mud & Benseal

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	10 GPM	1 HOURS 00 MINS

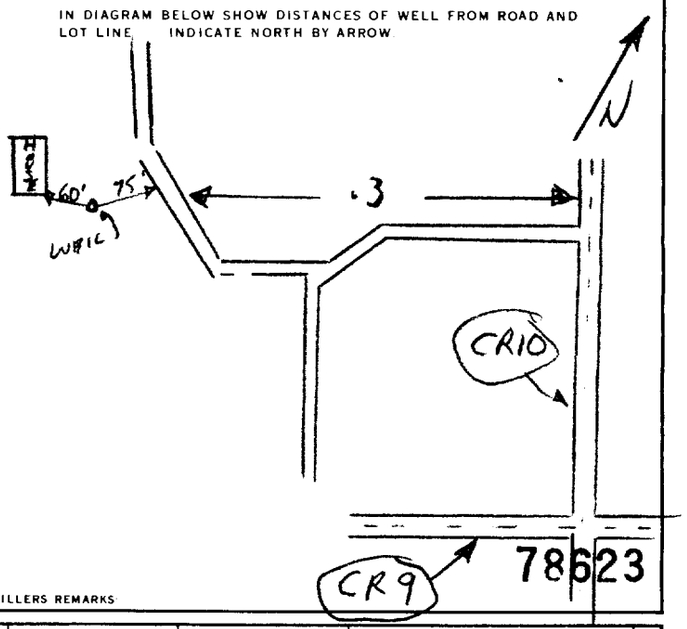
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☐ RECOVERY)	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
6 FEET	40 FEET		40 FEET	40 FEET	40 FEET	40 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	50 FEET	7 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

FINAL STATUS OF WELL
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION
1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Herb ~~Z~~Lang Well Drilling Ltd
WELL CONTRACTOR'S LICENCE NUMBER: 3367
ADDRESS: R. R. #1 Omemee, Ontario
NAME OF WELL TECHNICIAN: Herb Lang
WELL TECHNICIAN'S LICENCE NUMBER: T0092
SIGNATURE OF TECHNICIAN/CONTRACTOR: Herb Lang
SUBMISSION DATE: DAY 25 MO 6 YR 90

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 3367
DATE RECEIVED: JUL 16 1990
DATE OF INSPECTION
INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

4508925 45011 CON 07

Sublot 01 Plan 9R1506

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON, BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope	Conc. 07	16

[redacted] 1 Campbellcroft, Ontario KKK LOA 1BO

DATE COMPLETED: DAY 23 MO 08 YR 90

RING | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top Soil			0	3
Brown	Clay	Gravel		3	20
Grey	Clay			20	65
Grey	Sand			65	75
Grey	Clay			75	135
Grey	Limestone			135	146
		Abandoned and Sealed - too much salt			

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
146	2 ☒ SALTY
	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	2 ☒ STEEL	.188	0	132
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
0	146	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
2 ☒ BAILER	GPM	HOURS MINS

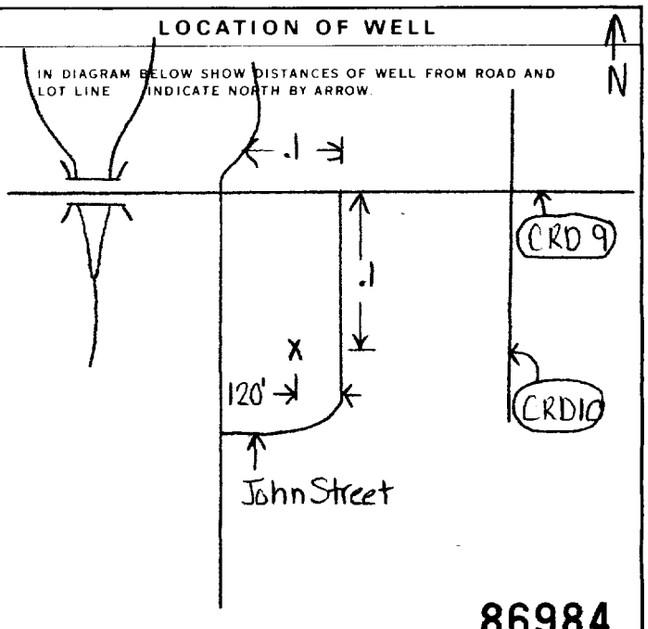
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
FEET	FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☐ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	FEET	GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



86984

DRILLERS REMARKS

FINAL STATUS OF WELL

1 ☐ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☒ UNFINISHED ☐ DEWATERING

WATER USE

1 ☐ DOMESTIC 2 ☒ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: FAULKNER WELL DRILLING CO. LTD.
WELL CONTRACTOR'S LICENCE NUMBER: 2104
ADDRESS: 789 Erskine Avenue, Peterborough
NAME OF WELL TECHNICIAN: Allan Richard JAF
WELL TECHNICIAN'S LICENCE NUMBER: 10006
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 23 MO 08 YR 90

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 2104
DATE RECEIVED: SEP 17 1990
DATE OF INSPECTION
INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

4508926 45011 CON

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

Sublot 01 Plan 9R1506 07

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
Northumberland	Hope	Conc. 07	16

[redacted], 1 Campbellcroft, ON L0A 1B0

DATE COMPLETED: DAY 23 MO 08 YR 90

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Top Soil			0	3
Brown	Clay	Gravel		3	20
Grey	Clay			20	54
Brown	Sand	Gravel		54	58
			Screen set from 50 to 58 feet		

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
58	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	55
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
14	6 INCHES	8'8" FEET

MATERIAL AND TYPE: stainless steel

DEPTH TO TOP OF SCREEN: 50 FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	12 GPM	3 HOURS 0 MINS

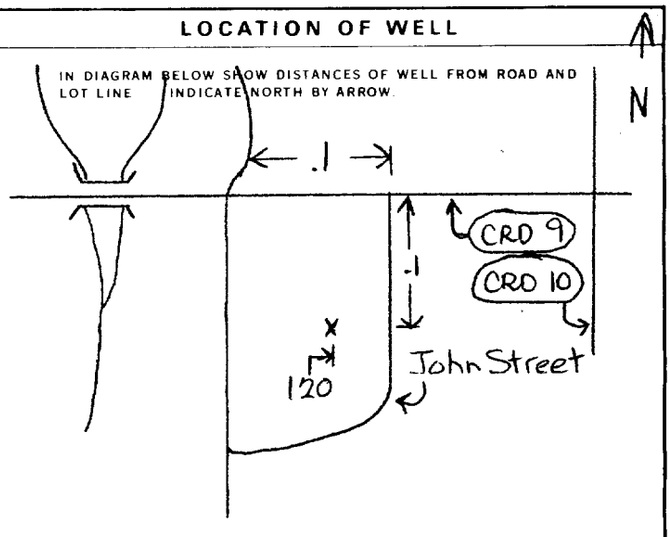
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
26 FEET	43 FEET	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	50 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	50 FEET	12 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



86983

DRILLERS REMARKS

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
FAULKNER WELL DRILLING CO. LTD.	2104

ADDRESS: 789 Erskine Avenue, Peterborough

NAME OF WELL TECHNICIAN		WELL TECHNICIAN'S LICENCE NUMBER
Allan Richard	JAF	10006

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY 23 MO. 08 YR. 90

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
	2104	SEP 17 1990

DATE OF INSPECTION | INSPECTOR

REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 4508936 | MUNICIP 45011 | CON. CON | 15

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: [redacted]
CON. BLOCK, TRACT, SURVEY, ETC: 75
LOT: 8
DATE COMPLETED: DAY 04 MO 09 YR 90
[redacted] GARDEN HILL

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BRN	TOPSOIL		SOFT	0	3
GRY	CLAY		SOFT	3	80
GRY	GRAVEL		HARD	80	82

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
82	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0	82
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE:
DEPTH TO TOP OF SCREEN FEET:

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	10	BENSEAL

71 PUMPING TEST

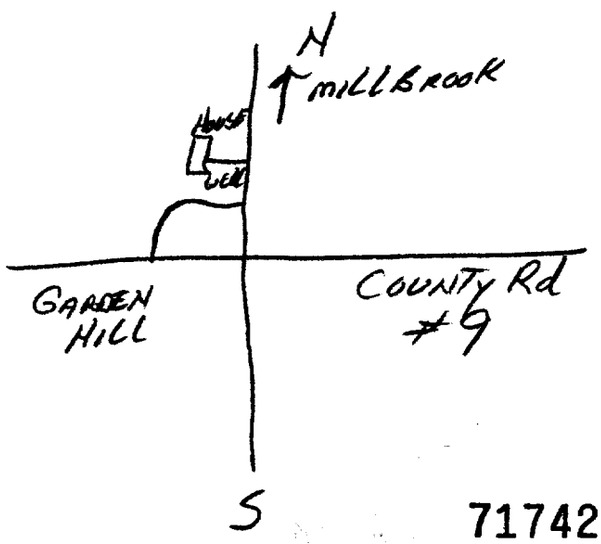
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 8 GPM
DURATION OF PUMPING: 4 HOURS 0 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING (1 ☐ PUMPING 2 ☒ RECOVERY) 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
60 FEET	75 FEET	30 FEET	60 FEET	60 FEET	60 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 75 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 75 FEET
RECOMMENDED PUMPING RATE: 4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



71742

DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER HOUSE 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: KEHOE WELL DRLG LTD
WELL CONTRACTOR'S LICENCE NUMBER: 3129
ADDRESS: GORES LANDING
NAME OF WELL TECHNICIAN: Darrell Kehoe
WELL TECHNICIAN'S LICENCE NUMBER: T-0454
SIGNATURE OF TECHNICIAN/CONTRACTOR: Terry Kehoe
SUBMISSION DATE: DAY 04 MO 09 YR 90

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 3129
DATE RECEIVED: SEP 17 1990
DATE OF INSPECTION
INSPECTOR
REMARKS
CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 4512284 — Municipality 45011 — Con. CON — 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Northumberland	Hope	8 sub #8	15

Address: Garden Hill, ontario

Date completed: 16 (day) 8 (month) 2000 (year)

21 — UTM — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Dk.Br.	Top Soil		Sfot	0	2
Brown	Sand		Packed	2	15
Grey	Clay		Dense	15	149
Grey	Clay Gravel	Sand	Loose	149	150
Grey	Limestone		Med Hard	150	155

31

32

41 WATER RECORD

Water found at - feet	Kind of water
150	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6-1/4	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	150
6-1/4	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☑ Open hole 5 ☐ Plastic		150	155
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type: | Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
15	5	Holeplug
5	0	Sand

71 PUMPING TEST

Pumping test method: 1 ☑ Pump 2 ☐ Bailer — Pumping rate: 7 GPM — Duration of pumping: 3 Hours 00 Mins

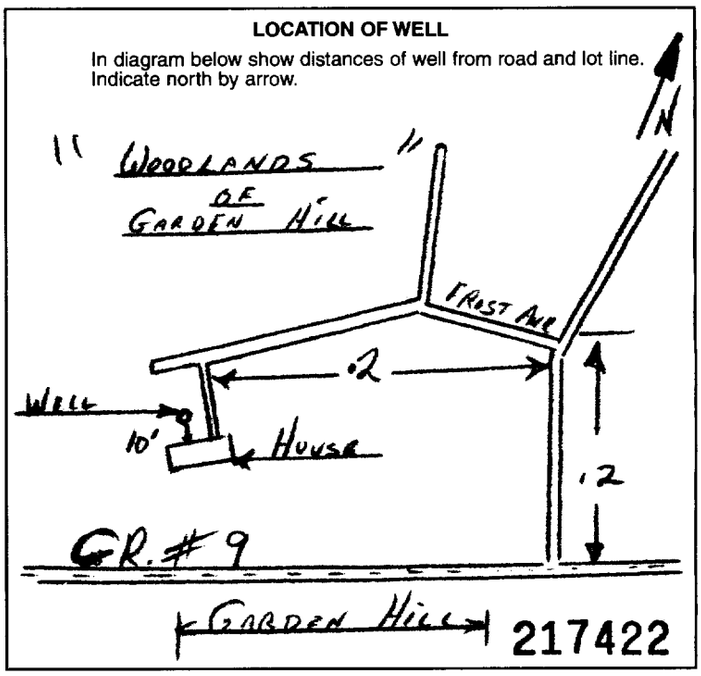
Static level	Water level end of pumping	Water levels during: 1 ☑ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
35 feet	79 feet	65 feet	79 feet	79 feet	79 feet

If flowing give rate: GPM — Pump intake set at: 149 feet — Water at end of test: ☑ Clear ☐ Cloudy

Recommended pump type: ☐ Shallow ☑ Deep — Recommended pump setting: 149 feet — Recommended pump rate: 5 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



FINAL STATUS OF WELL

1 ☑ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☑ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Herb Lang Well Drilling Ltd.	3367

Address: R.R. #1 Odmemee Ontario

Name of Well Technician	Well Technician's Licence No.
Allan Richard	T-1868

Signature of Technician/Contractor: Herb Lang

Submission date: day 17 mo 8 yr 2000

MINISTRY USE ONLY

Data source 58 — Contractor 3367 59-62 — Date received AUG 23 2000 63-68 80

Date of inspection — Inspector

Remarks: CSS.ES0

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **4512360** Municipality 4501 Con. CON 07

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
NORTHUMBERLAND	HOPE	Con. 7	17

Owner's surname	First Name	Address	Date completed
EASTWOOD DEVELOPMENTS		BOX 276, PORT HOPE, ON. L1A 3W4	17 day 07 month 20 year

21 Zone Easting Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
		SANDY	TOP SOIL	0	5
BROWN	SAND			5	128
WHITE	GRAVEL	SAND	BROWN	128	135

31

32

41 WATER RECORD

Water found at - feet	Kind of water
125	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	188	0	135
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
20	6 inches	8'4" feet

Material and type	Depth at top of screen
Stainless Steel	126'8" feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	18	HOLE PLUG GROUT

71 PUMPING TEST

Pumping test method	Pumping rate	Duration of pumping
1 ☐ Pump 2 ☒ Bailer	10 GPM	2 Hours 0 Mins

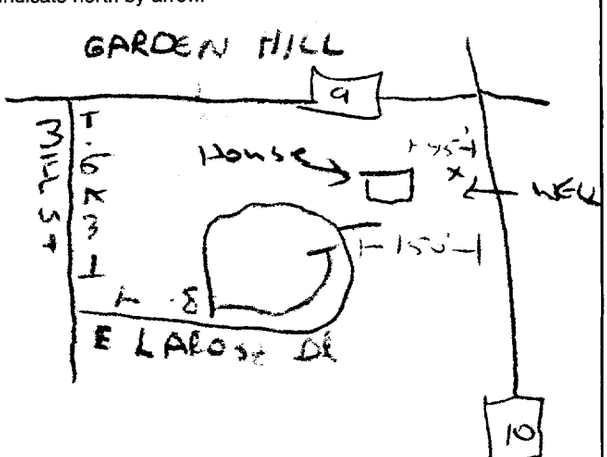
Static level	Water level end of pumping	Water levels during	15 minutes	30 minutes	45 minutes	60 minutes
4 feet	40 feet	1 ☒ Pumping 2 ☐ Recovery	40 feet	40 feet	40 feet	40 feet

If flowing give rate	Pump intake set at	Water at end of test
0 GPM	feet	☒ Clear ☐ Cloudy

Recommended pump type	Recommended pump setting	Recommended pump rate
☐ Shallow ☒ Deep	109 feet	8 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



FINAL STATUS OF WELL 54

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE 55-56

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION 57

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

210081

Name of Well Contractor	Well Contractor's Licence No.
ROBERT RUTH WELL DRILLING LTD	4635
Address: RR#2 CAVAN, ON L0A 1C0	
Name of Well Technician: Bob Ruth JR.	Well Technician's Licence No. T292
Signature of Technician/Contractor	Submission date: day 26 mo 07 yr 20

MINISTRY USE ONLY

Data source 58	Contractor 59-62	Date received 63-68
	4635	SEP 15 2000
Date of inspection	Inspector	
Remarks		

CSS.ES0

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **4512471** Municipality 45011 Con. CON 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Northumberland	Hope Twp.	Con. 6, Sub-lot 7	15

Address: 144 Banting Ave., Oshawa, Ont. L1H 2M3

Date completed: 8 (day) 11 (month) 00 (year)

21 UTM Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Sandy	loam		0	4
Brown	Sandy	clay		4	18
Gray	Clay			18	65
Gray	Clay	silt		65	147
Gray	Limestone	rock		147	156

31

32

41 WATER RECORD

Water found at - feet	Kind of water
150	1 ☐ Fresh 2 ☐ Salty (untested) 3 ☐ Sulphur 4 ☐ Minerals 5 ☒ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	+2	147
6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		147	156
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	Holeplug & Mudslurry

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer

Pumping rate: 6 GPM

Duration of pumping: 2 Hours 30 Mins

Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
29 feet	130 feet	90 feet	130 feet	130 feet	130 feet

If flowing give rate: GPM

Pump intake set at: 154 feet

Water at end of test: ☐ Clear ☒ Cloudy

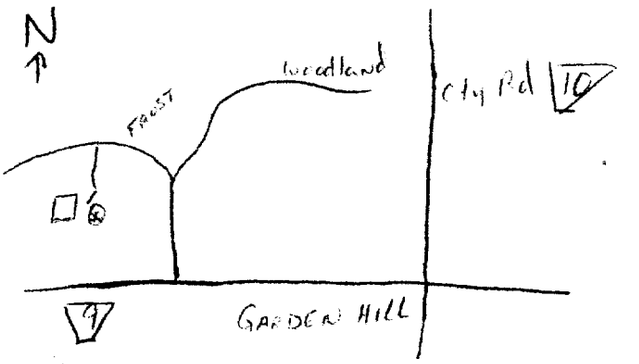
Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump setting: 155 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



216662

FINAL STATUS OF WELL

54

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

55-56

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

57

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd.	2662

Address: Box 850, Fenelon Falls, Ontario

Name of Well Technician	Well Technician's Licence No.
Garry McKnight	T-0238

Signature of Technician/Contractor: Clarke Watt

Submission date: day mo yr

2 - MINISTRY OF THE ENVIRONMENT COPY

MINISTRY USE ONLY

Data source 58 | Contractor 2662 59-62 | Date received DEC 29 2000 63-68 80

Date of inspection | Inspector

Remarks: CSS.ES0

0506 (11/98) Front Form 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1 2) **4512679** Municipality 45011 (10 14) Con. CON (15) 08 (22 23 24)

County or District: NORTHUMBERLAND | Township/Borough/City/Town/Village: HOPE | Con block tract survey, etc.: 8 | Lot: 16 (25-27)

[redacted] | Address: GARDEN HILL, ONTARIO. | Date completed: 11 day 4 month 01 year (48-53)

21 (1 2) | UTM (10) | Northing (12 17 18 24) | RC (25) | Elevation (26) | RC (30) | Basin Code (31) | ii | iii | iv (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	CLAY	SAND		0	15
GREY	CLAY			15	30
BLUE	CLAY	SAND		30	78
			GRAVEL PACKED	75	78

31 (10 14 15 21) | 32 (32 43 54 65 75 80)

41 WATER RECORD

Water found at - feet	Kind of water
78 (10-13)	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (14)
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼ (10-11)	1 ☒ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	188	0	78 (13-16)
(17-18)	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	Depth at top of screen (41-44) feet	(30)

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0 (10-13)	18 (14-17)	HOLE PLUG GROUT
(18-21)	(22-25)	
(26-29)	(30-33)	(80)

71 PUMPING TEST

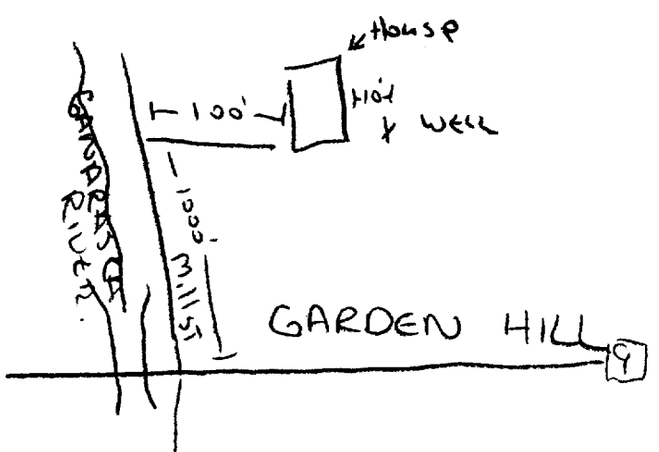
Pumping test method (10): 1 ☒ Pump 2 ☐ Bailer | Pumping rate (11-14): 3 GPM | Duration of pumping (15-16): 10 Hours (17-18): 00 Mins

Static level (18-21)	Water level end of pumping (22-24)	Water levels during (25): 1 ☒ Pumping 2 ☐ Recovery			
28 feet	65 feet	15 minutes (26-28) 28 feet	30 minutes (29-31) 28 feet	45 minutes (32-34) 28 feet	60 minutes (35-37) 28 feet

If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)	
GPM	feet	☒ Clear ☐ Cloudy	
Recommended pump type: ☐ Shallow ☒ Deep	Recommended pump setting (43-45): 70 feet	Recommended pump rate (46-49): 3 GPM	(50-53)

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



223572

FINAL STATUS OF WELL (54)

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION (57)

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
ROBT. RUTH WELLDRILLING LTD.	4635
Address: 832 WILSON RD. RR#2 CAVAN, ONT. L0A 1C0	
Name of Well Technician: BOB RUTH	Well Technician's Licence No.: t-292
Signature of Technician/Contractor	Submission date: 4 day 5 mo 01 yr

MINISTRY USE ONLY

Data source (58) | Contractor (59-62): 4635 | Date received (63-68): JUL 31 2001 (80)

Date of inspection | Inspector

Remarks

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **4512729** Municipality 4501 Con. CON 07

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Northumberland	Hope	Conc. 7(SubLt. 17) 16	
Owner's surname / First Name	**Address**	**Date completed**	
Stalwood Homes	Garden Hill, Ontario	17 day 07 month 2001 year	

21 UTM Zone Easting Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Dk.Br.	Top Soil		Loose	0	1
Dk.Br.	Sand	Clay	Packed	1	28
Grey	Clay		Loose	20	105
Grey	Clay		Packed	105	125
Black	Pea Gravel	Water	Porous	125	127

31

32

41 WATER RECORD

Water found at - feet	Kind of water
127	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	127
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet
Material and type	**Depth at top of screen feet**	

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
20	0	Bentonite - E-Z MUD
		+ Bensal

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☑ Bailer

Pumping rate: 10 GPM

Duration of pumping: 2 Hours 30 Mins

Water levels during: 1 ☑ Pumping 2 ☐ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
0 feet	10 feet	10 feet	10 feet	10 feet	10 feet

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: ☑ Clear ☐ Cloudy

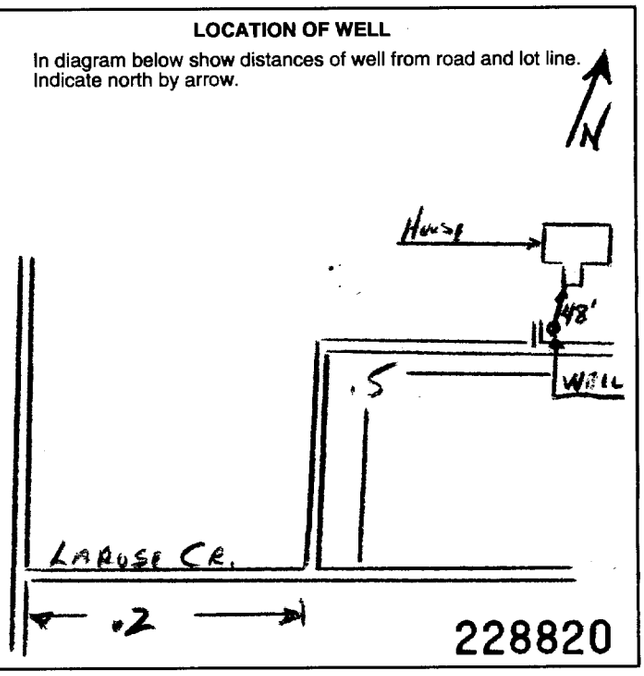
Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump setting: 110 feet

Recommended pump rate: 8 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



228820

FINAL STATUS OF WELL

1 ☑ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☑ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Herb Lang Well Drilling Ltd.	3367
Address	
R.R. #1, Omemee, Ontario	
Name of Well Technician	**Well Technician's Licence No.**
John Lang	T-2111
Signature of Technician/Contractor	**Submission date**
	day 23 mo 7 01

MINISTRY USE ONLY

Data source	Contractor	Date received
	3367	AUG 31 2001
Date of inspection	Inspector	
Remarks		

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1 2) **4512730** Municipality 45011 (10 14) Con. CON (15 22 23 24) 07

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
Northumberland	Hope	Conc. 4 (Cont. 14)	16

Owner's surname (28-47)	First Name	Address	Date completed (48-53)
Stalwood Homes		Garden Hill, Ontario	17 day 07 month 2001 year

21 (1 2) UTM: Zone (10) Easting (12 17) Northing (18 24) RC (25) Elevation (26) RC (30) Basin Code (31) ii iii iv (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Topsoil		Soft	0	1
Brown	Sand	Clay Stones	Packed	1	20
Grey	Clay		Dense	20	118
Grey	Clay	Sand	Packed	118	125
Grey	Gravel	Clay	Cemented	125	130
Brown	Pea Gravel	Sand	Loose	130	134

31 (10 14 15 21 32 43 54 65 75 80)

32

41 WATER RECORD

Water found at - feet (10-13)	Kind of water (1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas)
134	1 ☑ Fresh 2 ☐ Salty
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
(10-11) 6¼	1 ☑ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	134 (13-16)
(17-18)	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	**Depth at top of screen (41-44) feet**	(30)

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From (10-13)	Depth set at - feet To (14-17)	Material and type (Cement grout, bentonite, etc.)
20	5	Benseal E-Z Mud
5 (18-21)	0 (22-25)	Clay & Gravel
(26-29)	(30-33)	(80)

71 PUMPING TEST

Pumping test method (10) 1 ☐ Pump 2 ☑ Bailer | Pumping rate (11-14) 20 GPM | Duration of pumping (15-16) 2 Hours (17-18) 00 Mins

Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25) 1 ☐ Pumping 2 ☐ Recovery	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
+1 feet	40 feet		40 feet	40 feet	40 feet	40 feet

If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)	Recommended pump type	Recommended pump setting (43-45)	Recommended pump rate (46-49)
GPM	feet	☑ Clear ☐ Cloudy	☐ Shallow ☑ Deep	120 feet	10 GPM

(50-53)

FINAL STATUS OF WELL (54)

1 ☐ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

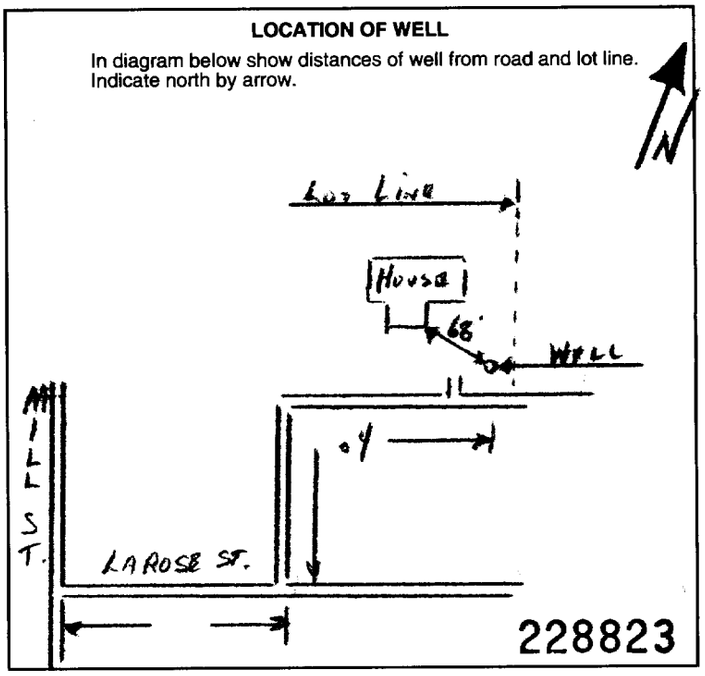
1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION (57)

1 ☑ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



228823

Name of Well Contractor	Well Contractor's Licence No.
Herb Lang Well Drilling Ltd.	3367
Address	
R.R. #1, Omemee, Ontario	
Name of Well Technician	**Well Technician's Licence No.**
Gary Foster	2905
Signature of Technician/Contractor	**Submission date** day 23 mo 7 yr 01

Herb Lang

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	3367	AUG 31 2001
Date of inspection	**Inspector**	
Remarks		

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 | 4513073 | Municipality: 45011 | Con.: CON 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	HOPE	8	15
	Address: RR#1 PORT HOPE, ONT	Date completed: 1 day 5 month 02 year	

21 | Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
			TOP SOIL	0	2
BROWN	CLAY	SAND		2	8
GREY	CLAY	SAND, STNS		8	122
GREY	CLAY	SILT		122	139
GREY	CLAY			139	142
WHITE	GRAVEL			142	145
BROWN	SHALE			145	146
GREY	LIMESTONE			146	149

31

32

41 WATER RECORD

Water found at - feet	Kind of water
146	☑ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	☑ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	.188	0	146
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

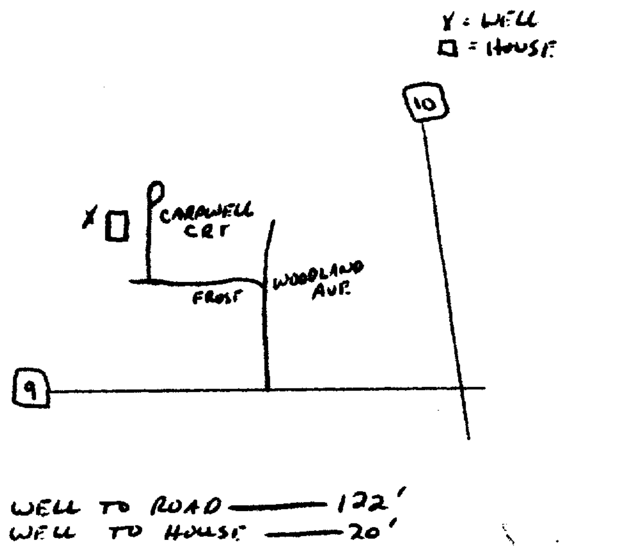
Depth set at - feet From	To	Material and type (Cement grout, bentonite, etc.)
0	18	HOLE-PLUG

71 PUMPING TEST

Pumping test method: ☐ Pump ☑ Bailer	Pumping rate: 3 GPM	Duration of pumping: 2 Hours 00 Mins		
Static level: 35 feet	Water level end of pumping: 147 feet	Water levels during: ☑ Pumping ☐ Recovery		
15 minutes: 147 feet	30 minutes: 147 feet	45 minutes: 147 feet	60 minutes: 147 feet	
If flowing give rate: GPM	Pump intake set at: 149 feet	Water at end of test: ☑ Clear ☐ Cloudy		
Recommended pump type: ☐ Shallow ☑ Deep	Recommended pump setting: 149 feet	Recommended pump rate: 2 GPM		

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



235499

FINAL STATUS OF WELL

☑ Water supply ☐ Observation well ☐ Test hole ☐ Recharge well ☐ Abandoned, insufficient supply ☐ Abandoned, poor quality ☐ Abandoned (Other) ☐ Dewatering ☐ Unfinished ☐ Replacement well

WATER USE

☑ Domestic ☐ Stock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☐ Public supply ☐ Cooling & air conditioning ☐ Not use ☐ Other

METHOD OF CONSTRUCTION

☑ Cable tool ☐ Rotary (conventional) ☐ Rotary (reverse) ☐ Rotary (air) ☐ Air percussion ☐ Boring ☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other

Name of Well Contractor: ROBERT RUTH WELLDRILLING LTD	Well Contractor's Licence No.: 4635
Address: RR#2 CAVAN, ONT	
Name of Well Technician: DOUG RUTH	Well Technician's Licence No.: T-1839
Signature of Technician/Contractor: [signature]	Submission date: day 1 mo 05 yr 02

MINISTRY USE ONLY

Data source	Contractor: 4635	Date received: JUL 30 2002
Date of inspection	Inspector	
Remarks		

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (07/00) Front Form 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1 2)

4513276

Municipality 4501.1 (10 14) Con. CON (15 22 23 24) 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
NORTHUMBERLAND	HOPE	8	15

[redacted]

Address: 8080 CARSCADDEN Rd. ORONO

Date completed: 14 (day) 12 (month) 02. (year) (48-53)

21 (1 2) UTM (10) Northing (12 17) (18 24) RC (25) Elevation (26) RC (30) Basin Code (31) ii iii iv (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BRN	Top Soil		SOFT	0	2
BRN	FINE SAND		HARD	2	35
BRN	COURSE SAND		HARD	35	40

31

32 (10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

Water found at - feet	Kind of water
40 (10-13)	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (14)
(15-18)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 5/8 (10-11)	1 ☒ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic	188	0 36	36 (13-16) 40
(17-18)	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38)	Length (39-40)
#35	5 inches	7 feet

Material and type	Depth at top of screen (41-44)	
STAINLESS STEEL	34 feet	30

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0 (10-13)	10 (14-17)	BENTONITE
(18-21)	(22-25)	
(26-29)	(30-33)	(60)

71 PUMPING TEST

Pumping test method (10): 1 ☐ Pump 2 ☒ Bailer

Pumping rate (11-14): 10 GPM

Duration of pumping (15-16): 2 Hours (17-18): 0 Mins

Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25): ☒ Pumping 2 ☐ Recovery			
		15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
20 feet	28 feet	28 feet	28 feet	28 feet	28 feet

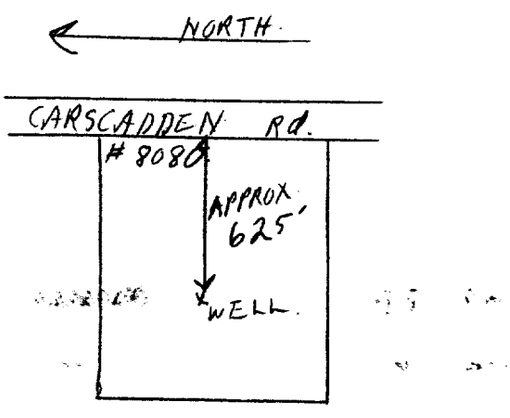
If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	38 feet	☐ Clear ☒ Cloudy

Recommended pump type	Recommended pump setting (43-45)	Recommended pump rate (46-49)
☐ Shallow ☒ Deep	38 feet	8 GPM

(50-53)

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



243415

FINAL STATUS OF WELL (54)

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION (57)

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
CAMPBELLFORD WELL DRILLING	7115

Address: RR#1 HASTINGS

Name of Well Technician	Well Technician's Licence No.
Daniel Ballah	T-0454

Signature of Technician/Contractor	Submission date
D Ballah	14 (day) 12 (mo) 02 (yr)

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	7115	JAN 13 2003

Date of inspection	Inspector

Remarks: CSS.ES3

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (07/00) Front Form 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **4513307** Municipality 45011 Con. CON 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
NORTHUMBERLAND	HOPE	CON 8	15

[redacted]

Address: RR#1, Campbellcroft, On K0A1B0

Date completed: 01 day 08 month 03 year

21 | Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
			TOP SOIL	0	1
BROWN	CLAY	SAND		1	15
WHITE	CLAY	GRAVEL		15	117
WHITE	GRAVEL			117	120

31

32

41 WATER RECORD

Water found at - feet	Kind of water
117-120	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas 6 [ ] Gas — untested
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 5 [ ] Gas 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	188	0	120
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type: 0

Depth at top of screen feet

61 PLUGGING & SEALING RECORD

[ ] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	HOLE PLUG GROUT

71 PUMPING TEST

Pumping test method: 1 [ ] Pump 2 [X] Bailer

Pumping rate: 8 GPM

Duration of pumping: 2 Hours 0 Mins

Static level	Water level end of pumping	Water levels during: 1 [ ] Pumping 2 [X] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
0 feet	43 feet	0 feet	0 feet	0 feet	0 feet

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: [X] Clear [ ] Cloudy

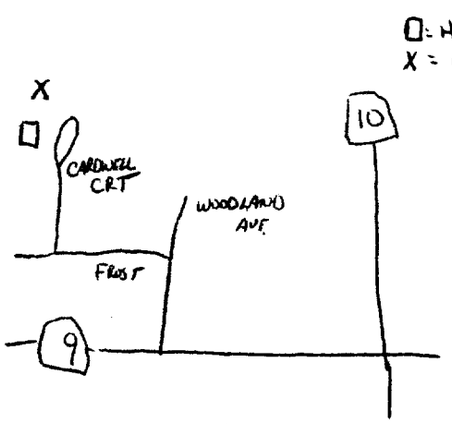
Recommended pump type: [ ] Shallow [X] Deep

Recommended pump setting: 100 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Well — 120'
Well to Road - 65'
Well to House - 170'

250938

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well 5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering 9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

1 [X] Domestic 2 [ ] Stock 3 [ ] Irrigation 4 [ ] Industrial 5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning 9 [ ] Not use 10 [ ] Other

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air) 5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting 9 [ ] Driving 10 [ ] Digging 11 [ ] Other

Name of Well Contractor	Well Contractor's Licence No.
ROBERT RUTH WELL DRILLING LTD	4635
Address: RR2 Cavan On. K0A 1C0	
Name of Well Technician: Doug Ruth	Well Technician's Licence No. 1839
Signature of Technician/Contractor	Submission date: day 30 mo 08 yr 02

MINISTRY USE ONLY

Data source	Contractor	Date received
	4635	JAN 16 2003
Date of inspection	Inspector	
Remarks: CSS.ES3		

2 - MINISTRY OF THE ENVIRONMENT COPY

![Ontario logo] Ontario — Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 4513337 — Municipality 45011 — Con. CON 08
S 46 6

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	Hope	8	15
Address	Garden Hill	Date completed	26 day 3 month 02 year

21 — UTM — Zone — Easting — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Top	Soil			0	1
Brown	Clay			1	24
Grey	Clay			24	100
Grey	Clay	Stones		100	140
	Sand	Gravel		140	147

31
32

WATER RECORD

Water found at - feet	Kind of water
145-149	☑ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas

CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	☑ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	.188	0	147
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type	Depth at top of screen feet

PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

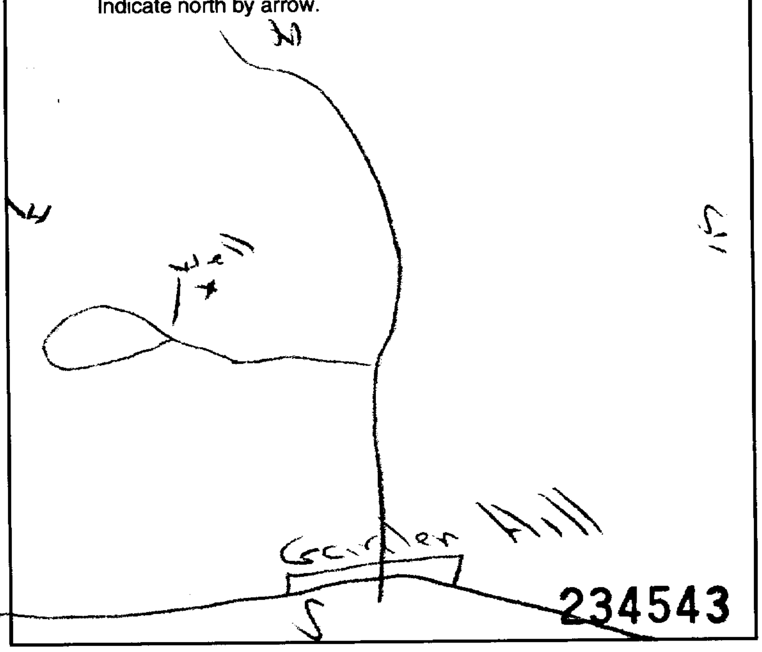
Depth set at - feet From	To	Material and type (Cement grout, bentonite, etc.)

PUMPING TEST

Pumping test method	☐ Pump ☑ Bailer
Pumping rate	10 GPM
Duration of pumping	2 Hours 0 Mins
Static level	40 feet
Water level end of pumping	120 feet
Water levels during	☐ Pumping ☑ Recovery
15 minutes	90 feet
30 minutes	70 feet
45 minutes	60 feet
60 minutes	50 feet
If flowing give rate	GPM
Pump intake set at	135 feet
Water at end of test	☐ Clear ☐ Cloudy
Recommended pump type	☐ Shallow ☑ Deep
Recommended pump setting	135 feet
Recommended pump rate	10 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



234543

FINAL STATUS OF WELL

☑ Water supply ☐ Observation well ☐ Test hole ☐ Recharge well ☐ Abandoned, insufficient supply ☐ Abandoned, poor quality ☐ Abandoned (Other) ☐ Dewatering ☐ Unfinished ☐ Replacement well

WATER USE

☑ Domestic ☐ Stock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☐ Public supply ☐ Cooling & air conditioning ☐ Not use ☐ Other

METHOD OF CONSTRUCTION

☑ Cable tool ☐ Rotary (conventional) ☐ Rotary (reverse) ☐ Rotary (air) ☐ Air percussion ☐ Boring ☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other

Name of Well Contractor: Wm Burgess Well Drilling	Well Contractor's Licence No.: 1455
Address: RR 1 Omemee	
Name of Well Technician: Dan Whitnell	Well Technician's Licence No.: T-1866
Signature of Technician/Contractor: William Burgess	Submission date: day 26 mo 3 yr 02

MINISTRY USE ONLY

Data source	Contractor	Date received
	1455	FEB 07 2003
Date of inspection	Inspector	
Remarks		CSS.ES3

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **4513522** Municipality 4501 Con. CON 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Northumberland	Hope	Con 8	15

Address RR. #1, Campbellcroft KOA 1B0

Date completed 28 day 03 month 03 year

21 UTM Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
			Top Soil	0	1
BROWN	SAND		Fine	1	8
WHITE	CLAY	BOULDERS		8	31
BROWN	GRAVEL		Coarse	31	42

31

32

41 WATER RECORD

Water found at - feet	Kind of water
38-42	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas — Untested
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	188	0	42
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet
0		

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

[ ] Annular space [ ] Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	Hole Plug Grout

71 PUMPING TEST

Pumping test method: 1 [ ] Pump 2 [X] Bailer

Pumping rate: 8 GPM

Duration of pumping: 2 Hours 0 Mins

Water levels during: 1 [ ] Pumping 2 [ ] Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
12 feet	36 feet	36 feet	12 feet	12 feet	12 feet

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: [X] Clear [ ] Cloudy

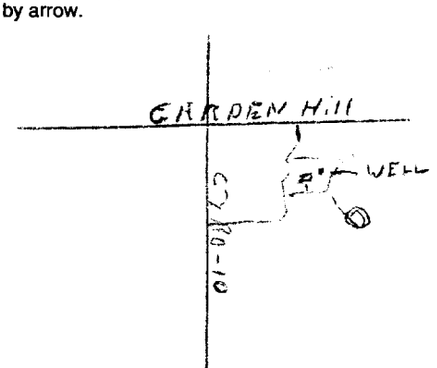
Recommended pump type: [ ] Shallow [X] Deep

Recommended pump setting: 38 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



250970

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well 5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering 9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

1 [X] Domestic 2 [ ] Stock 3 [ ] Irrigation 4 [ ] Industrial 5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning 9 [ ] Not use 10 [ ] Other

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air) 5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting 9 [ ] Driving 10 [ ] Digging 11 [ ] Other

Name of Well Contractor	Well Contractor's Licence No.
ROBERT RUTH WELL DRILLING LTD	4635
Address: 832 Wilson Line Cavan, On.	L0A 1C0
Name of Well Technician: Robert Ruth SR	Well Technician's Licence No.: T291
Signature of Technician/Contractor	Submission date: day 05 mo 04 yr 03

MINISTRY USE ONLY

Data source	Contractor	Date received
	4635	AUG 0 8 2003
Date of inspection	Inspector	
Remarks		

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

Well Tag (Yellow sticker and print number below): A015164 / A015164

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN 45011 CON CON OS LOT 15

Well Owner's Information and Location of Well Information

[redacted]

Northumberland | Hope | 15 | 8

RR#/Street Number/Name: Wright Cres. | City/Town/Village: Garden Hill | Site/Compartment/Block/Tract etc.: Sub Lot 17

GPS Reading | NAD: 83 | Zone: 17 | Easting: 708188 | Northing: 4882333 | Unit Make/Model: Magellan | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From (Metres ~~Ft~~)	Depth To (Metres ~~Ft~~)
Brown	Top Soil	Sand	Soft	0	6
Brown	Clay	Sand	Packed	6	29
Grey	Clay		Dense	29	51
Grey	Gravel	Clay	Loose	51	57
Brown	Coarse Water	Gravel & Sand	Loose	57	58

Hole Diameter

Depth From (Metres ~~Ft~~)	Depth To (Metres ~~Ft~~)	Diameter (Centimetres)
0	20	8"
0	58	6 1/4"

Water Record

Water found at (Metres ~~Ft~~) | Kind of Water

~~58~~ m ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From (Metres ~~Ft~~)	Depth To (Metres ~~Ft~~)
Casing				
6 1/4"	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	58
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: SUB PUMP

Pump intake set at - (metres) 54

Pumping rate - (litres/min) 10 GPM

Duration of pumping 1 hrs + 00 min

Final water level end of pumping 10 ft ~~metres~~

Recommended pump type. ☐ Shallow ☑ Deep

Recommended pump depth 45 ft ~~metres~~

Recommended pump rate. 8 GPM (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level (Metres ~~Ft~~)	Recovery Time min	Recovery Water Level (Metres ~~Ft~~)
Static Level		8"		
1		9"	1	9'
2		10'	2	8'
3		10'	3	8'
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60		10'	60	8'

Plugging and Sealing Record ☑ Annular space ☐ Abandonment

Depth set at - (Metres ~~Ft~~) From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	20	Bentonite Slurry	23 GAL

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: Herb Lang Well Drilling Ltd | Well Contractor's Licence No.: 3367

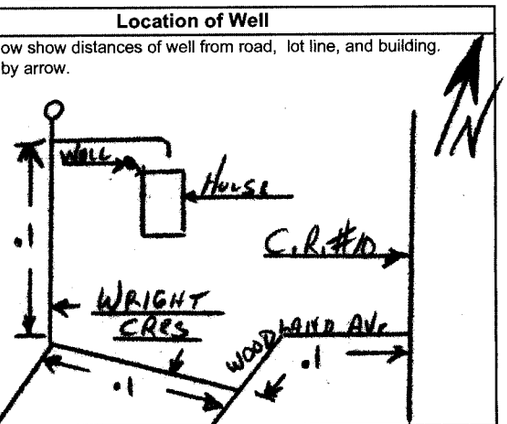
Business Address (street name, number, city etc.): 4852 HWY #7, RR#1, Omemee ON K0L 2W0

Name of Well Technician (last name, first name): Franks, Ted | Well Technician's Licence No.: T-2631

Signature of Technician/Contractor: X [signature] | Date Submitted: 2004 11 23

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 15234 | Date Well Completed: 2004 11 18

Was the well owner's information package delivered? ☑ Yes ☐ No | Date Delivered: 2004 06 20

Ministry Use Only

Data Source | Contractor: 3367

Date Received: DEC 22 2004 | Date of Inspection

Remarks | Well Record Number: 4514073

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☑

Cette formule est disponible en français

Ontario — Ministry of the Environment

Well Tag Number: A018491 (A018491)

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of 2

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Northumberland	Hope	17	7
RR#/Street Number/Name	**City/Town/Village**	**Site/Compartment/Block/Tract etc.**	
3625 Ganaraska Rd	Garden Hill	Fire Hall/Library	

GPS Reading: NAD 83 | Zone 17 | Easting 707649 | Northing 4881227

Unit Make/Model: Magellan

Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (~~Metres~~ ft)
Black	Topsoil			0	2
Brown	Silty Sand	some gravel ,		2	4½
Brown	Clay			4½	15
Brown	Gravel			15	25
Brown	Silty Sand	some gravel	wet	25	42
Brown	Sandy Clay	some gravel		42	52
Grey	Silty Clay	some sand & gravel		52	59
Grey	Silty Sand	some clay	water bearing	59	84
Grey	Silty Clay			84	98

Hole Diameter

Depth From	Depth To (~~Metres~~ ft)	Diameter (~~centimetres~~ inches)
0	20½	15 3/4
20½	132	6"

Water Record

Water found at (~~Metres~~ ft)	Kind of Water
126 ft	☒ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☒ Other: to untested
130 ft	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was: ☒ Clear and sediment free ☐ Other, specify

Chlorinated: ☒ Yes ☐ No

Construction Record

Inside diam (~~centimetres~~ inches)	Material	Wall thickness (~~centimetres~~ inches)	Depth From	Depth To (~~Metres~~ ft)
Casing				
10"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.250	+1½	20½
6"	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	+3	126½
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
6"		8	126½	130½

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (~~metres~~) 120ft

Pumping rate - (~~litres/min~~) 20gpm

Duration of pumping: 1 hrs + 15 min

Final water level end of pumping 81.3 metres

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth. 120 ft metres

Recommended pump rate. (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level (~~Metres~~ ft)	Recovery Time min	Recovery Water Level (~~Metres~~ ft)
Static Level		37.3		
1	--		1	62.6
2	57.4		2	55.9
3	63.1		3	52.9
4	67.3		4	49.9
5	70.3		5	47.5
10	76.8		10	42.1
15	78.9		15	41.6
20	79.4		20	40.0
25	79.9		25	39.6
30	80.2		30	39.2
40	80.6		40	38.9
50	80.9		50	38.8
60	81.1		60	38.7

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - From (~~Metres~~ ft)	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	18	neat cement (15 3/4" hole)	
18	20½	bentonite slurry (15 3/4" hole)	
0	20½	bentonite slurry	

Method of Construction

☐ Cable Tool ☒ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☒ Municipal ☐ Cooling & air conditioning

Final Status of Well

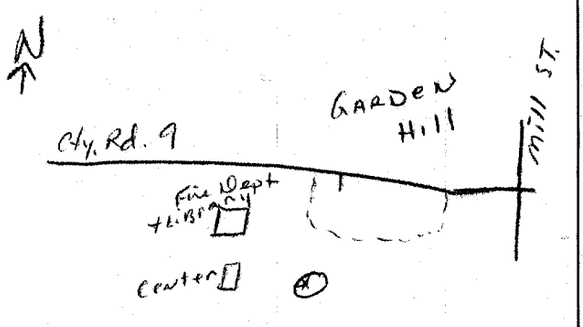
☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	2662
Business Address (street name, number, city etc.)	
P.O. Box 850 Fenelon Falls Ontario K0M 1N0	
Name of Well Technician (last name, first name)	**Well Technician's Licence No.**
Watson, Bryan	T-2441
Signature of Technician/Contractor	**Date Submitted** YYYY MM DD
X Bryan Watson	

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 18683

Date Well Completed: 2004 11 02

Was the well owner's information package delivered? ☐ Yes ☐ No

Date Delivered YYYY MM DD

Ministry Use Only

Data Source

Contractor 2662

Date Received JAN 28 2005 YYYY MM DD

Date of Inspection YYYY MM DD

Remarks

Well Record Number

0506E (09/03)

Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A018491

Well Record

Regulation 903 Ontario Water Resources Act

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Northumberland | Hope | 17 | 7

RR#/Street Number/Name: 3625 Ganaraska Rd

City/Town/Village: Garden Hill

Site/Compartment/Block/Tract etc.: Fire Hall/Library

GPS Reading: NAD 83 | Zone 17 | Easting 707649 | Northing 4881227

Unit Make/Model: Magellan

Mode of Operation: ☐ Undifferentiated ☐ Differentiated, specify ☒ Averaged

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Grey	Silt		wet	98	111
Grey	Sand	some silt	water bearing	111	131
Grey	Silt Sand	some clay		131	132
	Finished Depth 130.½ft				

Hole Diameter

Depth From	Metres To	Diameter Centimetres

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☐ Clear and sediment free ☐ Other, specify

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ___hrs +___ min	2		2	
Final water level end of pumping ___metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___metres	5		5	
Recommended pump rate. (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
If pumping discontinued, give reason.	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record ☐ Annular space ☐ Abandonment

Depth set at - From	Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)

Method of Construction

☐ Cable Tool ☒ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☒ Municipal ☐ Cooling & air conditioning

Final Status of Well

☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: G.Hart & Sons Well Drilling Ltd
Well Contractor's Licence No.: 2662

Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ontario K0M 1N0

Name of Well Technician (last name, first name): &Watson Bryan
Well Technician's Licence No.: T-2441

Signature of Technician/Contractor: X Clarke Watson
Date Submitted YYYY MM DD

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

Audit No. Z 18682

Date Well Completed YYYY MM DD: 2004 11 02

Was the well owner's information package delivered? ☐ Yes ☐ No

Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor: 2662

Date Received YYYY MM DD: JAN 28 2005

Date of Inspection YYYY MM DD

Remarks | Well Record Number

Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A015228 / A015228

Well Record

Regulation 903 Ontario Water Resources Act

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

[redacted]

Address of Well Location (County/District/Municipality): 78 LAROSE CIRCLE

Township: HOPE TOWNSHIP | Lot: 16 | Concession: CONC. 7

RR#/Street Number/Name: COUNTY OF NORTHUMBERLAND

City/Town/Village: GARDEN HILL

Site/Compartment/Block/Tract etc.: PLAN RP9M732 S.LT 38

GPS Reading: NAD 83 | Zone: 17 | Easting: 708405 | Northing: 4881086 | Unit Make/Model: ETRX | Mode of Operation: [X] Undifferentiated [ ] Averaged [ ] Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Grey	Sand			0	.3048
Grey	Clay	Stones		.3048	39.0
Brown	Gravel	Sand		39.0	42.0

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	42.0	15.9

Water Record

Water found at Metres / Kind of Water

- [ ] m [ ] Fresh [ ] Sulphur [ ] Gas [ ] Salty [ ] Minerals [X] Other:
- [ ] m [ ] Fresh [ ] Sulphur [ ] Gas [ ] Salty [ ] Minerals [ ] Other:
- [ ] m [ ] Fresh [ ] Sulphur [ ] Gas [ ] Salty [ ] Minerals [ ] Other:

After test of well yield, water was: [ ] Clear and sediment free [ ] Other, specify

Chlorinated [ ] Yes [ ] No

Construction Record

Casing

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
13.9	[X] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized	4.8	0	40.8
	[ ] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized			
	[ ] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized			

Screen

Outside diam	Material	Slot No.		
13.9	[X] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized	18	40.8	42.0

No Casing or Screen

[ ] Open hole

Test of Well Yield

Pumping test method: Pump intake set at (metres) 39.6; Pumping rate (litres/min) 18.9; Duration of pumping 2 hrs + ____ min; Final water level end of pumping 55.0 metres; Recommended pump type [X] Shallow [ ] Deep; Recommended pump depth 37.6 metres; Recommended pump rate 18.9 (litres/min); If flowing give rate (litres/min): ; If pumping discontinued, give reason: —

Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	2.4		
1	3.0	1	39.8
2	3.6	2	27.2
3	4.8	3	24.0
4	7.9	4	24.0
5	10.9	5	19.0
10	10.9	10	17.0
15	14.0	15	14.0
20	17.0	20	13.8
25	20.1	25	10.7
30	24.2	30	10.5
40	32.3	40	10.5
50	40.2	50	8.8
60	40.2	60	7.9

Plugging and Sealing Record

[ ] Annular space [ ] Abandonment

Depth set at - From	Depth set at - To (Metres)	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.0	Bentonite Slurry	3406869

Method of Construction

[X] Cable Tool [ ] Rotary (air) [ ] Diamond [ ] Digging
[ ] Rotary (conventional) [ ] Air percussion [ ] Jetting [ ] Other
[ ] Rotary (reverse) [ ] Boring [ ] Driving

Water Use

[X] Domestic [ ] Industrial [ ] Public Supply [ ] Other
[ ] Stock [ ] Commercial [ ] Not used
[ ] Irrigation [ ] Municipal [ ] Cooling & air conditioning

Final Status of Well

[X] Water Supply [ ] Recharge well [ ] Unfinished [ ] Abandoned, (Other)
[ ] Observation well [ ] Abandoned, insufficient supply [ ] Dewatering
[ ] Test Hole [ ] Abandoned, poor quality [ ] Replacement well

Well Contractor/Technician Information

Name of Well Contractor: Kitchen Well Drilling | Well Contractor's Licence No.: 7156

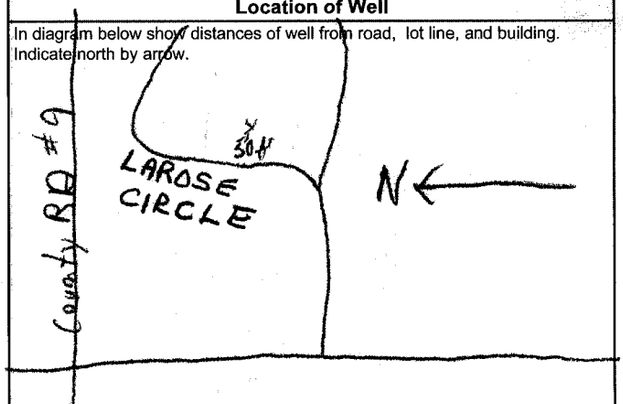
Business Address (street name, number, city etc.): 884 Eldon RD Oakwood ON K0M2M0

Name of Well Technician (last name, first name): Kitchen, Todd | Well Technician's Licence No.: T2336

Signature of Technician/Contractor: X Todd Kitchen | Date Submitted YYYY MM DD: 2005 02 14

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 15320 | Date Well Completed YYYY MM DD: 2005 02 8

Was the well owner's information package delivered? [X] Yes [ ] No | Date Delivered YYYY MM DD: 2005 02 8

Ministry Use Only

Data Source | Contractor: 7156

Date Received YYYY MM DD: FEB 18 2005 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy [ ] Ministry's Copy [X] Well Owner's Copy [ ]

Cette formule est disponible en français

Ontario | Ministry of the Environment

Well Tag No. (Place sticker and print number below) A 024138

A024138

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN	CON	LOT

Well Owner's Information and Location of Well Information

[redacted]

Northumberland | Hope | 16 | 8

RR#/Street Number/Name: 815 Mill St. N., RR#1

City/Town/Village: Garden Hill

Site/Compartment/Block/Tract etc.:

GPS Reading NAD 83 Zone 17 Easting 707923 Northing 4881664 Unit Make/Model Magellan

Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth ~~Metres~~ ft From	To
Dk. Brown	Top Soil		Soft	0	1
Lt. Brown	Sand + Clay		Packed	1	10
Grey	Clay & Gravel		Packed	10	23
Grey	Clay		Dense	23	135
Grey	Gravel + Sand	Clay	Loose	135	136
Grey	Limestone		Hard	136	137

Hole Diameter

Depth ~~Metres~~ ft From	To	Diameter Centimetres
0	20	8"
0	137	6¼"

Water Record

Water found at ~~Metres~~ ft	Kind of Water
137 ~~m~~ ft	☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was: ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth ~~Metres~~ ft From	To
Casing				
6¼	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	136
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen (Outside diam)	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen	☑ Open hole		136	137

Test of Well Yield

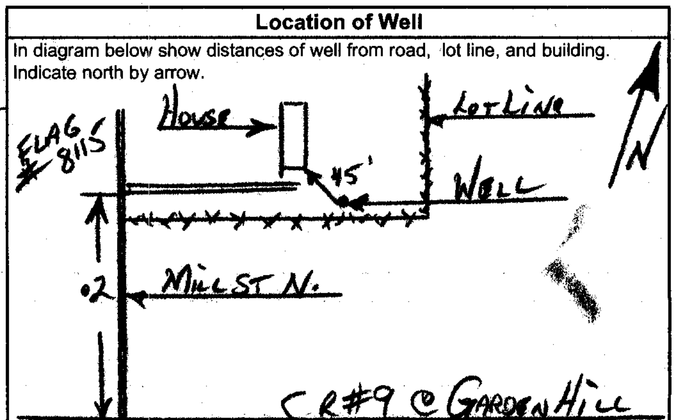
	Draw Down Time min	Water Level ~~Metres~~ ft	Recovery Time min	Water Level ~~Metres~~ ft
Pumping test method: SUB PUMP				
Pump intake set at - (metres) 127'	Static Level	30'1"		
Pumping rate - (litres/min) 3 GPM	1	35'2"	1	82'8"
Duration of pumping 2 hrs + 00 min	2	36'8"	2	82'1"
Final water level end of pumping 86'1" metres	3	38'2"	3	81'4"
Recommended pump type. ☐ Shallow ☑ Deep	4	39'2"	4	80'9"
Recommended pump depth. 127 ~~metres~~ ft	5	40'2"	5	80'3"
Recommended pump rate. 3 GPM (litres/min)	10	49'1	10	77'5"
	15	48'2	15	74'9"
If flowing give rate - (litres/min)	20	51'4	20	72'2"
	25	54'	25	67'7"
If pumping discontinued, give reason.	30	56'1"	30	63'6"
	40	58'6	40	60'
	50	61'5"	50	56'2"
	60	63'3'	60	53'

Plugging and Sealing Record ☑ Annular space ☐ Abandonment

Depth set at - ~~Metres~~ ft From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0'	20'	Bentonite Slurry	23 GAL

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging ☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other ☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other ☐ Stock ☐ Commercial ☐ Not used ☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other) ☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering ☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Audit No. Z 24857

Date Well Completed (YYYY MM DD): 2005 03 07

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered (YYYY MM DD): 2004 10 23

Well Contractor/Technician Information

Name of Well Contractor: Herb Lang Well Drilling Ltd

Well Contractor's Licence No.: 3367

Business Address (street name, number, city etc.): 4852 Hwy #7, RR#1, Omemee, K0L2W0

Name of Well Technician (last name, first name): Tanner, Joe

Well Technician's Licence No.: 04-1246

Signature of Technician/Contractor: X [signature]

Date Submitted (YYYY MM DD): 2005 03 08

Ministry Use Only

Data Source:

Contractor: 3367

Date Received: APR 04 2005

Date of Inspection:

Remarks:

Well Record Number:

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 4511200

Municipality 45011 Con. CON 07
Sub Lot 32

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
NORTHUMBERLAND	HOPE	& 7	16

Owner's surname [redacted] First name

Address: 7 VICTORIA STREET NORTH PORT HOPE

Date completed: 31 day 7 month 97 year

21 — Zone | Easting | Northing | RC | Elevation | RC | Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BROWN	CLAY	STONES	MEDIUM	0	130
GREY	CLAY		SOFT	26	128
BROWN	SAND	GRAVEL	FINE	128	134

31
32

41 WATER RECORD

Water found at – feet	Kind of water
128	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
134	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6¼"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188	0	130
6"	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	SCREEN	130	134
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
10	6 inches	4 feet

Material and type: STAINLESS STEEL
Depth at top of screen: 130 feet

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)
8	21	BENSEAL GROUT

71 PUMPING TEST

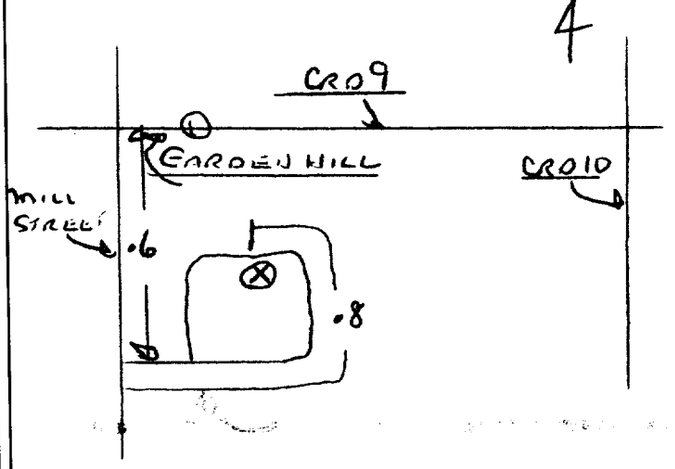
Pumping test method: 1 [ ] Pump 2 [X] Bailer
Pumping rate: 4 GPM
Duration of pumping: 2 Hours ..... Mins

Static level	Water level end of pumping	Water levels during: 1 [ ] Pumping 2 [X] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
6 feet	128 feet	97 feet	67 feet	49 feet	31 feet

If flowing give rate: -- GPM
Pump intake set at: 128 feet
Water at end of test: [X] Clear [ ] Cloudy
Recommended pump type: [ ] Shallow [X] Deep
Recommended pump setting: 128 feet
Recommended pump rate: 3 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



173626

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well
5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering
9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

1 [X] Domestic 2 [ ] Stock 3 [ ] Irrigation 4 [ ] Industrial
5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning
9 [ ] Not used 10 [ ] Other .....

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air)
5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting
9 [ ] Driving 10 [ ] Digging 11 [ ] Other .....

Name of Well Contractor	Well Contractor's Licence No.
FAULKNER WELL DRILLING CO LTD	2104
Address: 789 ERSKINE AVENUE PETERBOROUGH ONT.	
Name of Well Technician: DONALD MILLER	Well Technician's Licence No.: T-0014
Signature of Technician/Contractor	Submission date: 1 day 8 mo 97 yr

MINISTRY USE ONLY

Data source | Contractor: 2104 | Date received: AUG 12 1997
Date of inspection | Inspector
Remarks

0506 (07/94) Front Form 9

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 4511397

Municipality 45011 LOT 35 — Con. CON 07

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	HOPE	7	17

Address: R.R. # 1, CAMPBELLCROFT, ONT.

Date completed: 22 day 4 month 98 year

21 — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
	EXISTING WELL				126
GREY	SAND	CLAY		126	132
GREY	GRAVEL	SAND		132	133

31 — 32

41 WATER RECORD

Water found at – feet	Kind of water
133	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4"	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188	0	133
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet
--		

Material and type: --
Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

[ ] Annular space [ ] Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
		existing

71 PUMPING TEST

Pumping test method: 1 [ ] Pump 2 [X] Bailer
Pumping rate: 25 GPM
Duration of pumping: 3 Hours 30 Mins

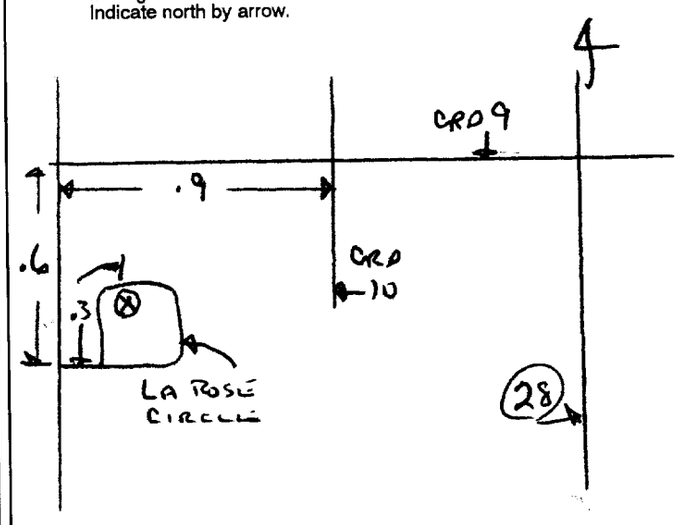
Static level	Water level end of pumping	Water levels during: 1 [ ] Pumping 2 [X] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
0 feet	3 feet	3 feet	3 feet	3 feet	3 feet

If flowing give rate	Pump intake set at	Water at end of test
1/2 GPM	90 feet	[X] Clear [ ] Cloudy

Recommended pump type	Recommended pump setting	Recommended pump rate
[ ] Shallow [X] Deep	80 feet	20 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



186955

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well 5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering 9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

1 [X] Domestic 2 [X] Stock 3 [ ] Irrigation 4 [ ] Industrial 5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning 9 [ ] Not used 10 [ ] Other .....

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air) 5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting 9 [ ] Driving 10 [ ] Digging 11 [ ] Other .....

Name of Well Contractor: FAULKNER WELL DRILLING CO. LTD.
Well Contractor's Licence No.: 2104
Address: 789 ERSKINE AVENUE PETERBOROUGH, ONT.
Name of Well Technician: SCOTT MILLER
Well Technician's Licence No.: T 2338
Signature of Technician/Contractor: [signature]
Submission date: 23 day 4 mo 98 yr

MINISTRY USE ONLY

Data source — Contractor: 2104 — Date received: APR 28 1998
Date of inspection — Inspector
Remarks: C55.51

0506 (07/94) Front Form 9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11

4511424

Municipality 45011 | Con. CON 08

[redacted]

Township/Borough/City/Town/Village	Con. block tract survey, etc.	Lot
HOPE	8	17

Address: RR3 CAMPBELLCROFT,ONT.

Date completed: 8 day 1 month 97 year

Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

21

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
			TOP SOIL	0	2
GREY	CLAY	STONES		2	16
WHITE	CLAY			16	28
WHITE	CLAY	SAND	FINE	28	42
BROWN	SAND		COARSE	42	46

31

32

WATER RECORD

Water found at – feet	Kind of water
46	☒ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas

CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6¼	☒ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	188	0	46
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
12	6 inches	7'6" feet

Material and type	Depth at top of screen
STAINLESS STEEL	38'6" feet

PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)
0	18	BENSEAL GROUT

PUMPING TEST

71

Pumping test method: ☐ Pump ☒ Bailer	Pumping rate: 6 GPM	Duration of pumping: 2 Hours 00 Mins

Static level	Water level end of pumping	Water levels during			
		☐ Pumping ☒ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
18 feet	41 feet	18 feet	18 feet	18 feet	18 feet

If flowing give rate: — GPM
Pump intake set at: — feet
Water at end of test: ☒ Clear ☐ Cloudy
Recommended pump type: ☐ Shallow ☒ Deep
Recommended pump setting: 45 feet
Recommended pump rate: 4 GPM

FINAL STATUS OF WELL

☒ Water supply ☐ Observation well ☐ Test hole ☐ Recharge well ☐ Abandoned, insufficient supply ☐ Abandoned, poor quality ☐ Abandoned (Other) ☐ Dewatering ☐ Unfinished ☐ Replacement well

WATER USE

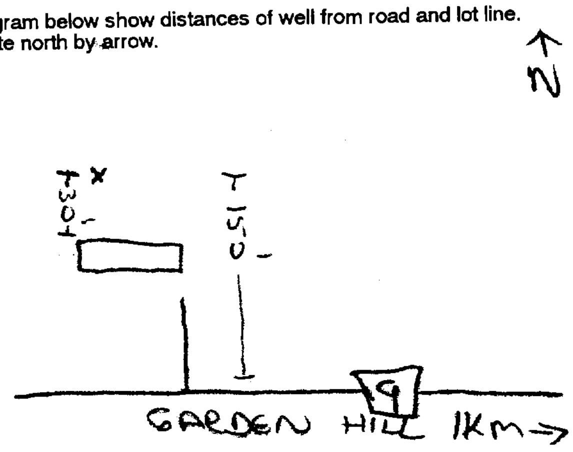
☒ Domestic ☐ Stock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☐ Public supply ☐ Cooling & air conditioning ☐ Not used ☐ Other

METHOD OF CONSTRUCTION

☒ Cable tool ☐ Rotary (conventional) ☐ Rotary (reverse) ☐ Rotary (air) ☐ Air percussion ☐ Boring ☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



176403

Name of Well Contractor: ROBERT RUTH WELLDRILLING LTD.
Well Contractor's Licence No.: 4635
Address: RR#2 CAVAN,ONTARIO. LOA ICO
Name of Well Technician: same
Well Technician's Licence No.: t-291
Signature of Technician/Contractor
Submission date: day 11 mo 11 97

MINISTRY USE ONLY
Data source | Contractor 4635 | Date received MAY 13 1998
Date of inspection | Inspector
Remarks: CSS.SS

0506 (07/94) Front Form 9

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11

4511443

Municipality 45011 Con. CON 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	HOPE	8	17
	Address: RR#1 Campbell Croft Ont	Date completed	29 day, april month, 98 year

21 | Northing | RC | Elevation | RC | Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	To
		Cleaned Out Well			
		Brown Sand		0-7	0-8 6"
	Phone-no,	905-797-2655			
		(Rob-Roy-Farm's			
		Cemented Tile Joints			
		with Cement Seal Bond		0	8 6"

31

32

WATER RECORD

41

Water found at – feet	Kind of water
0 8 6"	☑ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas

CASING & OPEN HOLE RECORD

51

Inside diam inches	Material	Wall thickness inches	Depth – feet From	To
36"	☐ Steel ☐ Galvanized ☑ Concrete ☐ Open hole ☐ Plastic	3"	0	8 6"
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
	inches	feet
Material and type	Depth at top of screen	
	feet	

PLUGGING & SEALING RECORD

61

☐ Annular space ☐ Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)

PUMPING TEST

71

Pumping test method	Pumping rate	Duration of pumping
☐ Pump ☑ Bailer	1 GPM	3 Hours .... Mins

Water levels during ☐ Pumping ☑ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
0-3 feet	0-8 6" feet	0-8 2" feet	0-7 10" feet	0-7 6" feet	0-7 2" feet

If flowing give rate	Pump intake set at	Water at end of test
GPM	0-7 6" feet	☑ Clear ☐ Cloudy

Recommended pump type	Recommended pump setting	Recommended pump rate
☑ Shallow ☐ Deep	0 7 6" feet	1 GPM

FINAL STATUS OF WELL

☑ Water supply
☐ Observation well
☐ Test hole
☐ Recharge well
☐ Abandoned, insufficient supply
☐ Abandoned, poor quality
☐ Abandoned (Other)
☐ Dewatering
☐ Unfinished
☐ Replacement well

WATER USE

☑ Domestic
☐ Stock
☐ Irrigation
☐ Industrial
☐ Commercial
☐ Municipal
☐ Public supply
☐ Cooling & air conditioning
☐ Not used
☐ Other ....

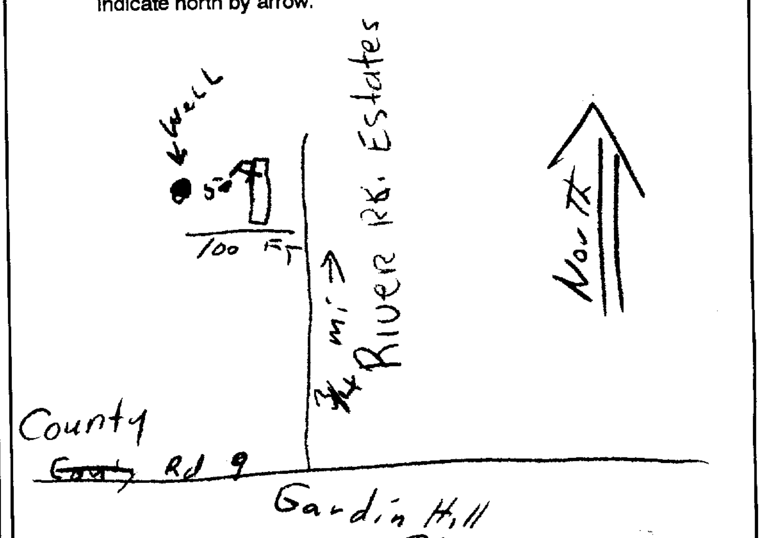
METHOD OF CONSTRUCTION

☑ Cable tool
☐ Rotary (conventional)
☐ Rotary (reverse)
☐ Rotary (air)
☐ Air percussion
☐ Boring
☐ Diamond
☐ Jetting
☐ Driving
☐ Digging
☐ Other ....

Cleaned Out Well
Pulley winch

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



187674

Name of Well Contractor	Well Contractor's Licence No.
Richard Lott	6874
Address: 398 Surrey Dr Oshawa Ont L1G 6H1	
Name of Well Technician: Richard Lott	Well Technician's Licence No.: T 24-24
Signature of Technician/Contractor: Richard Lott	Submission date: 2 day 05 1998

MINISTRY USE ONLY

Data source	Contractor 6874	Date received MAY 0 5 1998
Date of inspection	Inspector	
Remarks		

CSS.S3

0506 (07/94) Front Form 9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 4511569 — Municipality 45011 — Con. CON 07

County or District: NORTHUMBERLAND
Township/Borough/City/Town/Village: HOPE
Con block tract survey, etc.: 7
Lot: 15 & 16
Owner's surname: STALWOOD HOMES — First name:
Address: 8991 ROSE ROAD R.R.#6 COBOURG
Date completed: 98 08 26 (day month year) 98

21 — UTM Zone — Easting — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BRN	TOP SOIL		SOFT	0	2
GRY	CLAY		SOFT	2	128
GRY	CLAY	SAND GRAVEL	HARD	128	138
GRY	LIMESTONE		HARD	138	148

31
32

41 WATER RECORD

Water found at – feet	Kind of water
148	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6¼	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [X] Open hole 5 [ ] Plastic	188	0	138
			138	148
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			
	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet
—	—	—

Material and type: —
Depth at top of screen feet: —

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
0	10	BENTONITE

71 PUMPING TEST

Pumping test method: 1 [ ] Pump 2 [X] Bailer
Pumping rate: 8 GPM
Duration of pumping: 4 Hours 0 Mins

Static level	Water level end of pumping	Water levels during: 1 [ ] Pumping 2 [X] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
1 feet	100 feet	75 feet	50 feet	25 feet	1 feet

If flowing give rate: GPM
Pump intake set at: 100 feet
Water at end of test: [ ] Clear [X] Cloudy
Recommended pump type: [ ] Shallow [X] Deep
Recommended pump setting: 100 feet
Recommended pump rate: 8 GPM

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well 5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering 9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

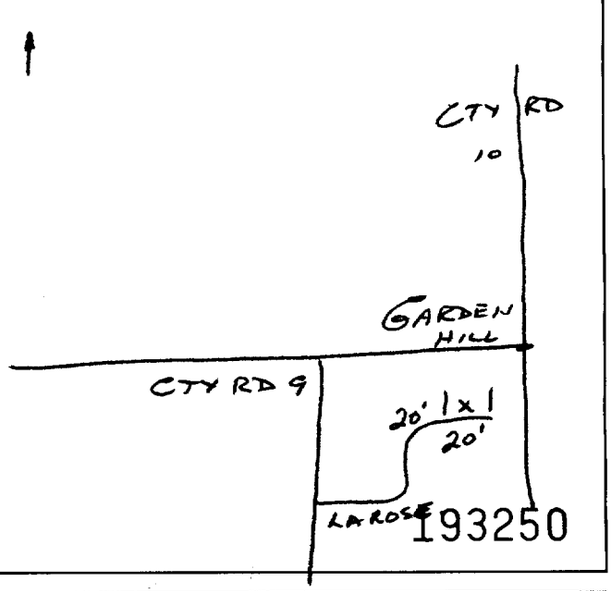
1 [X] Domestic 2 [ ] Stock 3 [ ] Irrigation 4 [ ] Industrial 5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning 9 [ ] Not used 10 [ ] Other

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air) 5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting 9 [ ] Driving 10 [ ] Digging 11 [ ] Other

LOCATION OF WELL

LOT # 15 (SUB)
In diagram below show distances of well from road and lot line.
Indicate north by arrow.



Name of Well Contractor: HENELLA WELL DRILLING — Well Contractor's Licence No.: 6418
Address: R.R #4 ROSENEATH ON K0K 2X0
Name of Well Technician: Darrell Badelek — Well Technician's Licence No.: T-0454
Signature of Technician/Contractor: D Badelek — Submission date: 98 08 28 (day mo yr)

MINISTRY USE ONLY
Data source — Contractor: 6418 — Date received: SEP 17 1998
Date of inspection — Inspector
Remarks: CSS. S9

0506 (07/94) Front Form 9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 | **4511652** | Municipality 45011 | Con. CON 07

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
NORTHUMBERLAND	HOPE	7	15
[redacted]	Address: BOX 276 PORT HOPE ONT L1A-3W4	Date completed: 26 day 8 month 98 year	

21 | Northing | RC | Elevation | RC | Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	To
			TOP SOIL	0	1
BROWN	CLAY	SAND		1	18
GREY	CLAY	GRAVEL		18	138
GREY	GRAVEL			138	140
GREY	LIMESTONE			140	

31
32

WATER RECORD

Water found at – feet	Kind of water
140	☑ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas
	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas

CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	To
6 1/4	☑ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic	.188	0	140
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			
	☐ Steel ☐ Galvanized ☐ Concrete ☐ Open hole ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)
0	20	HOLE-PLUG

PUMPING TEST

71 Pumping test method: ☐ Pump ☑ Bailer | Pumping rate 5 GPM | Duration of pumping 2 Hours 00 Mins

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
18 feet	135 feet	100 feet	135 feet	135 feet	135 feet

Water levels during: ☑ Pumping ☐ Recovery

If flowing give rate: GPM | Pump intake set at 140 feet | Water at end of test: ☑ Clear ☐ Cloudy

Recommended pump type: ☐ Shallow ☑ Deep | Recommended pump setting 140 feet | Recommended pump rate 3 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.

WELL TO ROAD — 70'
WELL TO HOUSE — 55

195124

FINAL STATUS OF WELL

☑ Water supply ☐ Observation well ☐ Test hole ☐ Recharge well ☐ Abandoned, insufficient supply ☐ Abandoned, poor quality ☐ Abandoned (Other) ☐ Dewatering ☐ Unfinished ☐ Replacement well

WATER USE

☑ Domestic ☐ Stock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☐ Public supply ☐ Cooling & air conditioning ☐ Not used ☐ Other

METHOD OF CONSTRUCTION

☑ Cable tool ☐ Rotary (conventional) ☐ Rotary (reverse) ☐ Rotary (air) ☐ Air percussion ☐ Boring ☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
ROBERT RUTH WELLDRILLING LTD	4635

Address: RR#2 CAVAN

Name of Well Technician	Well Technician's Licence No.
DOUG RUTH	T-1839

Signature of Technician/Contractor | Submission date: day 6 mo 9 yr 98

MINISTRY USE ONLY: Data source | Contractor 4635 | Date received DEC 14 1998
Date of inspection | Inspector
Remarks
CSS. ES9

0506 (07/94) Front Form 9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 | 4511699 | Municipality 45011 | Con. CON 08

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
[redacted]	Hope	8, Plan 732 sublot 15	15
	Address: 11B Winchester dr. Brookin	Date completed: 11 day 01 month 99 year	

21 | Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
Brown	Clay fill	stones	soft	0	8
Grey	Clay	stones, gravel	soft	8	44
Brown	Gravel	sand, silt	water bearing	44	45

31
32

41 WATER RECORD

Water found at – feet	Kind of water
45	[X] Fresh
	Fresh / Salty / Sulphur / Minerals / Gas
	Fresh / Salty / Sulphur / Minerals / Gas
	Fresh / Salty / Sulphur / Minerals / Gas
	Fresh / Salty / Sulphur / Minerals / Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4	[X] Steel	.188	+2	45
	Steel / Galvanized / Concrete / Open hole / Plastic			
	Steel / Galvanized / Concrete / Open hole / Plastic			

SCREEN

Sizes of opening (Slot No.) | Diameter inches | Length feet
Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

[X] Annular space ☐ Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)
0	8	Clay Slurry
8	20	Bentonite

71 PUMPING TEST

Pumping test method	Pumping rate	Duration of pumping
[X] Pump ☐ Bailer	10 GPM	2 Hours 30 Mins

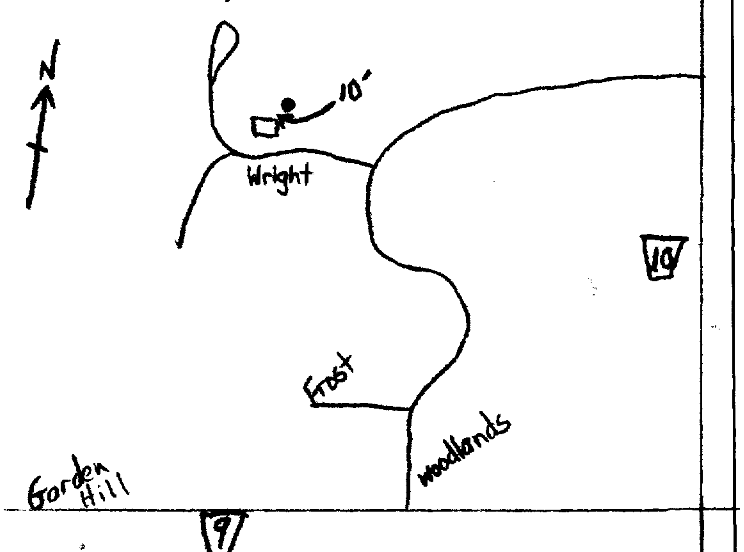
Static level	Water level end of pumping	Water levels during: [X] Pumping ☐ Recovery — 15 minutes	30 minutes	45 minutes	60 minutes
feet	12 feet	12 feet	12 feet	12 feet	12 feet

If flowing give rate: GPM | Pump intake set at: feet | Water at end of test: [X] Clear ☐ Cloudy

Recommended pump type: ☐ Shallow [X] Deep | Recommended pump setting: 35 feet | Recommended pump rate: 10 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



199796

FINAL STATUS OF WELL

[X] Water supply
☐ Observation well
☐ Test hole
☐ Recharge well
☐ Abandoned, insufficient supply
☐ Abandoned, poor quality
☐ Abandoned (Other)
☐ Dewatering
☐ Unfinished
☐ Replacement well

WATER USE

[X] Domestic
☐ Stock
☐ Irrigation
☐ Industrial
☐ Commercial
☐ Municipal
☐ Public supply
☐ Cooling & air conditioning
☐ Not used
☐ Other

METHOD OF CONSTRUCTION

[X] Cable tool
☐ Rotary (conventional)
☐ Rotary (reverse)
☐ Rotary (air)
☐ Air percussion
☐ Boring
☐ Diamond
☐ Jetting
☐ Driving
☐ Digging
☐ Other

Name of Well Contractor: Eades Well Drilling | Well Contractor's Licence No.: 7067
Address: Box 87, Cambray Ont. K0M 1E0
Name of Well Technician: Greg Bullock | Well Technician's Licence No.: T-2108
Signature of Technician/Contractor: Greg Bullock | Submission date: 17 day 01 mo 99 yr

MINISTRY USE ONLY
Data source | Contractor 7067 | Date received FEB 16 1999
Date of inspection | Inspector
Remarks
CSS.ES9

0506 (07/94) Front Form 9

2 – MINISTER OF ENVIRONMENT & ENERGY COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11

4511748

Municipality: 45011 | Con.: CON 07

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
NORTHUMBERLAND	HOPE	7	15&16.
[redacted]	Address: 8991 ROSE RD R.R.#6 COBOURG		Date completed: 09 day 04 month 99 year

21 | Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BRN	Top Soil		SOFT	0	2
BRN	Clay	SAND	HARD	2	10
GRY	Clay	STONES	SOFT	10	129
GRY	COURSE SAND	GRAVEL	HARD	129	131

31

32

WATER RECORD

Water found at – feet	Kind of water
131	[x] Fresh [ ] Salty [ ] Sulphur [ ] Minerals [ ] Gas
	[ ] Fresh [ ] Salty [ ] Sulphur [ ] Minerals [ ] Gas
	[ ] Fresh [ ] Salty [ ] Sulphur [ ] Minerals [ ] Gas
	[ ] Fresh [ ] Salty [ ] Sulphur [ ] Minerals [ ] Gas
	[ ] Fresh [ ] Salty [ ] Sulphur [ ] Minerals [ ] Gas

CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	To
6¼	[x] Steel [ ] Galvanized [ ] Concrete [ ] Open hole [ ] Plastic	188	0	131
	[ ] Steel [ ] Galvanized [ ] Concrete [ ] Open hole [ ] Plastic			
	[ ] Steel [ ] Galvanized [ ] Concrete [ ] Open hole [ ] Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
—	— inches	— feet
Material and type: —	Depth at top of screen: — feet	

61 PLUGGING & SEALING RECORD

[x] Annular space [ ] Abandonment

Depth set at – feet From	To	Material and type (Cement grout, bentonite, etc.)
0	10	BENTONITE

PUMPING TEST

71 | Pumping test method: [ ] Pump [x] Bailer | Pumping rate: 25 GPM | Duration of pumping: 4 Hours 0 Mins

Static level	Water level end of pumping	Water levels during: [x] Pumping [ ] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
0 feet	0 feet	15 feet	0 feet	0 feet	0 feet

If flowing give rate: 10 GPM | Pump intake set at: 100 feet | Water at end of test: [ ] Clear [x] Cloudy

Recommended pump type: [ ] Shallow [x] Deep | Recommended pump setting: 100 feet | Recommended pump rate: 10 GPM

FINAL STATUS OF WELL

- [x] Water supply
- [ ] Observation well
- [ ] Test hole
- [ ] Recharge well
- [ ] Abandoned, insufficient supply
- [ ] Abandoned, poor quality
- [ ] Abandoned (Other)
- [ ] Dewatering
- [ ] Unfinished
- [ ] Replacement well

WATER USE

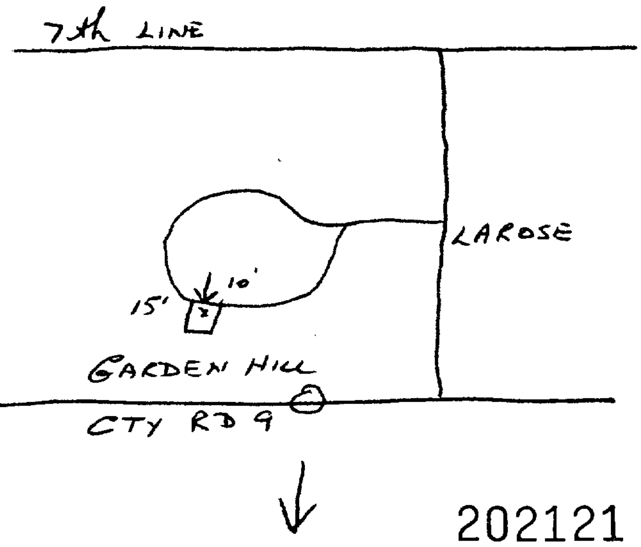
- [x] Domestic
- [ ] Stock
- [ ] Irrigation
- [ ] Industrial
- [ ] Commercial
- [ ] Municipal
- [ ] Public supply
- [ ] Cooling & air conditioning
- [ ] Not used
- [ ] Other ....

METHOD OF CONSTRUCTION

- [x] Cable tool
- [ ] Rotary (conventional)
- [ ] Rotary (reverse)
- [ ] Rotary (air)
- [ ] Air percussion
- [ ] Boring
- [ ] Diamond
- [ ] Jetting
- [ ] Driving
- [ ] Digging
- [ ] Other ....

LOCATION OF WELL — LOT #13.

In diagram below show distances of well from road and lot line. Indicate north by arrow.



202121

Name of Well Contractor	Well Contractor's Licence No.
FENELLA WELL DRILL	6814
Address: RR#4 ROSENEATH	
Name of Well Technician: Darrell Baddel	Well Technician's Licence No.: T-0454
Signature of Technician/Contractor: D Baddel	Submission date: 13 day 04 mo 99 yr

MINISTRY USE ONLY

Data source	Contractor	Date received
	6418	MAY 0 7 1999
Date of inspection	Inspector	
Remarks		CSS.ES9

0506 (07/94) Front Form 9

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ontario **Ministry of the Environment**

The Ontario Water Resources Act

WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **4512271** 45011 Con CON 07

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot
[redacted]	Hope	7				15 PT E 1/2 1

Address: RR#11 PETERBOROUGH — Date completed: 14 day 7 month 00 year

21 Northing RC Elevation RC Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
BROWN	topsoil			0	2
GREY	clay	boulders	hard	2	51
GREY	clay		med	51	96
BROWN	SAND	clay	med	96	119
GREY	clay	GRAVEL	hard	119	151
GREY	GRAVEL	SAND	med	151	160

31

32

41 WATER RECORD

Water found at - feet	Kind of water
156 to 160	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6¼	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	188	0	156
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	STAINLESS STEEL	156	160
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter	Length
12	5 inches	8-9 feet

Material and type: STAINLESS STEEL — Depth at top of screen: 151-3 feet

61 PLUGGING & SEALING RECORD

☑ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	20	BENTONITE

71 PUMPING TEST

Pumping test method: 1 ☑ Pump 2 ☐ Bailer — Pumping rate: 10 GPM — Duration of pumping: 5 Hours 30 Mins

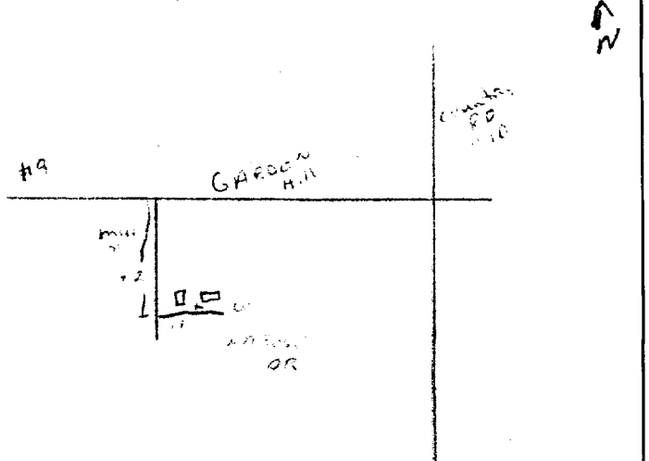
Static level	Water level end of pumping	Water levels during: 1 ☑ Pumping 2 ☐ Recovery			
72 feet	133 feet	15 minutes: 98 feet	30 minutes: 122 feet	45 minutes: 127 feet	60 minutes: 131 feet

If flowing give rate: GPM — Pump intake set at: 145 feet — Water at end of test: ☑ Clear ☐ Cloudy

Recommended pump type: ☐ Shallow ☑ Deep — Recommended pump setting: 145 feet — Recommended pump rate: 10 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



212582

FINAL STATUS OF WELL 54

1 ☑ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE 55-56

1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION 57

1 ☑ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
M'LEAN WELL DRILLING	7030
Address RR#2 OMEMEE	
Name of Well Technician Robert M'LEAN	Well Technician's Licence No. 70013
Signature of Technician/Contractor Robert M'L	Submission date 14 day 7 mo 00 yr

MINISTRY USE ONLY

Data source 58 — Contractor 7030 59-62 — Date received JUL 20 2000 63-68

Date of inspection — Inspector

Remarks: CSS.ES0

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

A 067064 (and/or Print Below)

A067064

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Address of Well Location (Street Number/Name): 8109 Mill St.

Township: Hope'

Lot: 17 Concession: 7

County/District/Municipality: Northumberland

City/Town/Village: Garden Hill

Province: Ontario

Postal Code:

UTM Coordinates: NAD 83 Zone 17 Easting 707945 Northing 4881658

Municipal Plan and Sublot Number:

Other:

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	SANDY CLAY.			0	21
GREY	SANDY CLAY.			21	137
GREY	SHALE, SAND, GRAVEL			137	138
GREY	LIMESTONE ROCK			138	144

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	20'	BENTONITE SLURRY.	

Method of Construction

☑ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, specify

Well Use

☑ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6¼	STEEL	188W	0	138

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
5¼	S. STEEL.	18	137	144

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
137-144	☑ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	144'	6¼

Results of Well Yield Testing

After test of well yield, water was:
☑ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 135'

Pumping rate (l/min / GPM): 5 G.P.M

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 44-5

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 135'

Recommended pump rate (l/min / GPM): 5 G.P.M.

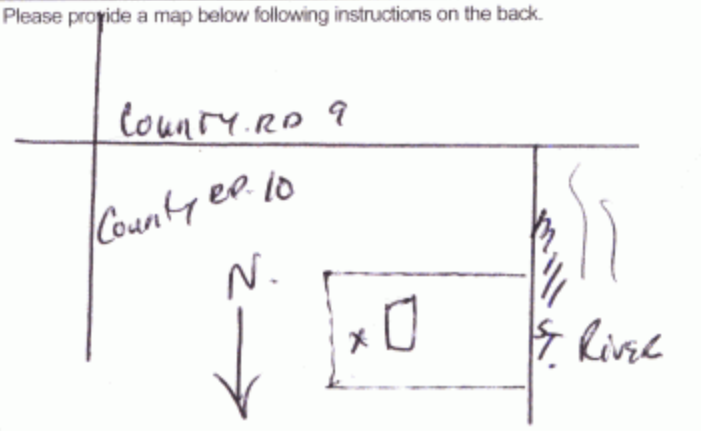
Well production (l/min / GPM): 8-G.P.M

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	31-2		
1	32-3	1	42-5
2	"	2	41
3	"	3	40
4	"	4	39
5	32.7	5	38
10	39.5	10	37-1
15	40-5	15	36
20	41	20	35-5
25	41-5	25	34-0
30	42	30	33-5
40	43	40	33-4
50	43-5	50	33-3
60	44-5	60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: BURGESS WELL DRILLING

Well Contractor's Licence No.: 1455

Business Address (Street Number/Name): 467 EMILY PARK RD

Municipality: OMEMEE

Province: ONT.

Postal Code: K0L2W0

Business E-mail Address:

Bus. Telephone No. (inc. area code): 7057995871

Name of Well Technician (Last Name, First Name): Whitnell, Dan

Well Technician's Licence No.: 1866

Signature of Technician and/or Contractor:

Date Submitted: 2008 06 18

Well owner's information package delivered: ☑ Yes ☐ No

Date Package Delivered: 2008 06 14

Date Work Completed: 2008 06 16

Ministry Use Only

Audit No. Z 80932

Received: APR 06 2009

0506E (12/2007)

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* A 063752

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of 3

[redacted]

Address of Well Location (Street Number/Name, RR): 220 Wright Cres | Township: HOPE | Lot: 15 Sub 16 | Concession: 08

County/District/Municipality: NORTHUMBERLAND | City/Town/Village: CAMPBELLCROFT | Province: Ontario | Postal Code: L0A1B0

UTM Coordinates: NAD 83 | Zone: 17 | Easting: 708201 | Northing: 4882262 | GPS Unit Make: MAGELLAN | Model: SPORTTRAK | Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify

Overburden and Bedrock Materials *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	To
			TOP SOIL	0	.9
BROWN	CLAY			.9	4.2
GREY	CLAY			4.2	13.8
GREY	GRAVEL		COARSE	13.8	14.4

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Placed (Cubic Metres)
0	6	QUIK GROUT	

Method of Construction

☒ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Rotary (Air) ☐ Digging ☐ Air percussion ☐ Boring ☐ Other, *specify* ____

Water Use

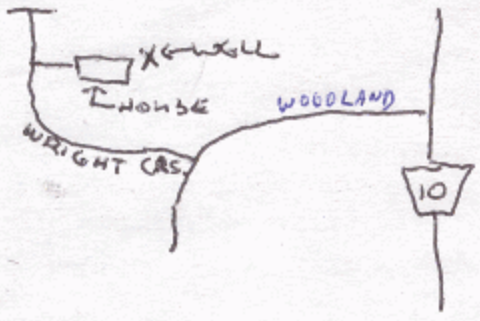
☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify* ____

Status of Well

☒ Water Supply (untested) ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Replacement Well ☐ Abandoned, Insufficient Supply ☐ Alteration (Construction) ☐ Test Hole ☐ Abandoned, Poor Water Quality ☐ Other, *specify* ____ ☐ Recharge Well ☐ Abandoned, other, *specify* ____

Location of Well

Please provide a map below showing:
- all property boundaries, and measurements sufficient to locate the well in relation to fixed points,
- an arrow indicating the North direction
- detailed drawings can be provided as attachments no larger than legal size (8.5" by 14")
- vidigital pictures of inside of well can also be provided



Date Well Completed *(yyyy/mm/dd)*: 2009/03/16 | Was the well owner's information package delivered? ☒ Yes ☐ No | Date the Well Record and Package Delivered to Well Owner *(yyyy/mm/dd)*: 2009/03/17

Well Contractor and Well Technician Information

Business Name of Well Contractor: ROBERT RUTH WELL DRILLING LTD. | Well Contractor's Licence No.: 4635

Business Address (Street No./Name, number, RR): 832 Wilson Line RR. #2 | Municipality: CAVAN

Province: ON | Postal Code: L0A1C0 | Business E-mail Address:

Bus. Telephone No. *(inc. area code)*: 7059953433 | Name of Well Technician (Last Name, First Name): RUTH, Bob

Well Technician's Licence No.: T292 | Signature of Technician | Date Submitted *(yyyy/mm/dd)*: 2009/03/17

Results of Well Yield Testing

Check box if after test of well yield, water was: ☒ Clear and sand free ☐ Cannot develop to sand-free state

If pumping discontinued, give reason: ∅

Pumping test method: PUMP

Pump intake set at *(Metres)*: 13.5

Pumping rate *(Litres/min)*: 30.5

Duration of pumping: 2 hrs + 0 min

Final water level end of pumping *(Metres)*: 4.2

Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump depth: 13.5 Metres

Recommended pump rate *(Litres/min)*: 30.5

If flowing give rate *(Litres/min)*: ∅

Draw Down Time (Min)	Water Level (Metres)	Recovery Time (Min)	Water Level (Metres)
Static Level	3	Static Level	4.2
1	3.6	1	3.3
2	3.9	2	3
3	|	3	|
4	|	4	|
5	|	5	|
10	4.2	10	|
15	|	15	|
20	|	20	|
25	|	25	|
30	|	30	|
40	|	40	|
50	|	50	|
60	4.2	60	3

Water Details

Water found at Depth	Kind of Water
14 Metres ☐ Gas	☒ Fresh ☐ Salty ☐ Sulphur ☐ Minerals (untested)
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals
Metres ☐ Gas	☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Casing Used: ☐ Galvanized ☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete

Screen Used: ☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Plastic ∅ ☐ Concrete

No Casing and Screen Used: ☐ Open Hole

Disinfected? ☒ Yes ☐ No

Casing and Well Details

Diameter of the Hole *(Centimetres)*: 16.8

Depth of the Hole *(Metres)*: 14.4

Wall Thickness *(Metres)*: 48

Inside Diameter of the Casing *(Metres)*: 15.5

Depth of the Casing *(Metres)*: 14.4

Ministry Use Only

Audit No.: z62697 | Well Contractor No.:

Date Received *(yyyy/mm/dd)*: APR 22 2010 | Date of Inspection *(yyyy/mm/dd)*:

Remarks:

0506E (11/2006) Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: [X] Metric [ ] Imperial

Well Tag No. **A103206**

A103206

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	
	755104 ON. Ltd. (JDL Const.)		[ ] Well Constructed by Well Owner

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
1173 Fleetwood Rd. RR#1	Janetville	ON	L0B1K0	7052773357

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
no civic address, Larose cres.	Hope	Pt. 15	7

County/District/Municipality	City/Town/Village	Province	Postal Code
Northumberland	Garden Hill	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708652	4881298	Plan 9M735 Sublot 22	

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Sand		loose	Ø	1.2
Grey	Clay		soft	1.2	32.2
Brown	Sand	silt, gravel	tight	32.2	39.0
Grey	Coarse gravel	sand	water-bearing	39.0	40.2
		*Well is 132' deep			

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	6	Bentonite Grout	.3

Method of Construction

[X] Cable Tool [ ] Diamond [ ] Rotary (Conventional) [ ] Jetting [ ] Rotary (Reverse) [ ] Driving [ ] Boring [ ] Digging [ ] Air percussion [ ] Other, *specify*

Well Use

[ ] Public [ ] Commercial [ ] Not used [X] Domestic [ ] Municipal [ ] Dewatering [ ] Livestock [ ] Test Hole [ ] Monitoring [ ] Irrigation [ ] Cooling & Air Conditioning [ ] Industrial [ ] Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.9	Steel	.48	+.9	39

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
14	S. Steel	18	39	40.2

Status of Well

[X] Water Supply [ ] Replacement Well [ ] Test Hole [ ] Recharge Well [ ] Dewatering Well [ ] Observation and/or Monitoring Hole [ ] Alteration (Construction) [ ] Abandoned, Insufficient Supply [ ] Abandoned, Poor Water Quality [ ] Abandoned, other, *specify* [ ] Other, *specify*

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
39	[ ]	[X] Fresh [X] Untested	
	[ ]	[ ] Fresh [ ] Untested	
	[ ]	[ ] Fresh [ ] Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	6	21.9
6	40.2	16.8

Results of Well Yield Testing

After test of well yield, water was: [X] Clear and sand free [ ] Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 36.5

Pumping rate (l/min / GPM): 57 l

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 4.7

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 15

Recommended pump rate (l/min / GPM): 57 l

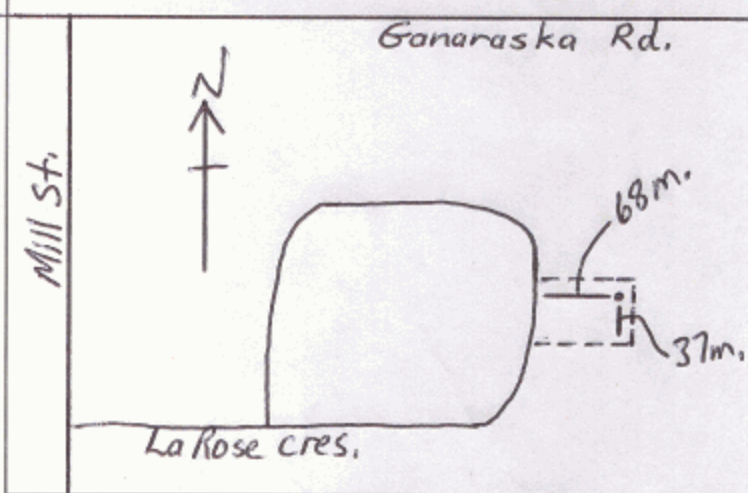
Well production (l/min / GPM): 95 +

Disinfected? [X] Yes [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	1.5		
1	4.1	1	3.1
2	4.2	2	2.4
3	4.2	3	2.0
4	4.2	4	1.8
5	4.3	5	1.8
10	4.4	10	1.7
15	4.5	15	1.6
20	4.5	20	1.5
25	4.5	25	↓
30	4.5	30	
40	4.6	40	
50	4.6	50	
60	4.7	60	1.5

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Eades Well Drilling	7067

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
254 Blackbird Rd.	Lindsay	ON	K9V4R1	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7053744580	Jay Trethewey	2906	J. Bullock	

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[X] Yes [ ] No	11 08 17	11 08 17

Ministry Use Only

Audit No. z123359

Received SEP 20 2011

0506E (2007/12) © Queen's Printer for Ontario, 2007

Ministry's Copy

Ontario Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)* Tag#: A122225

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
8234 MILL ST	HOPE	17	8

County/District/Municipality	City/Town/Village	Province	Postal Code
NORTHUMBERLAND		Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	17 0 76 14	48 81 95 8		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	TOP SOIL		SOFT	0	6"
BROWN	CLAY-SAND		PACKED	6"	20
GREY	CLAY		DENSE	20	110
BROWN	SAND-GRAVEL	CLAY	PACKED	110	131
GREY	LIMESTONE		MEDIUM-HARD	131	132

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
20	15	1 BAG BENSEAL EZ MUD SLURRY	2.5 GAL
15	0	5 1/2 BAGS HOLEPLUG	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☒ Other, *specify* DR-12W

Well Use

☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4	STEEL	.188	+2	131'
6 1/4	OPEN		131'	132'

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, *specify* ☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh / Untested / Other, specify
131	☐	
	☐	
	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	20	10"
0	132	6 5/8"

Results of Well Yield Testing

After test of well yield, water was: ☒ Clear and sand free ☐ Other, *specify*

If pumping discontinued, give reason: —

Pump intake set at (m/ft): 130'

Pumping rate (l/min / GPM): 6 GPM

Duration of pumping: 1 hrs 00 min

Final water level end of pumping (m/ft): 62.60

If flowing give rate (l/min / GPM): —

Recommended pump depth (m/ft): 126'

Recommended pump rate (l/min / GPM): 6 GPM

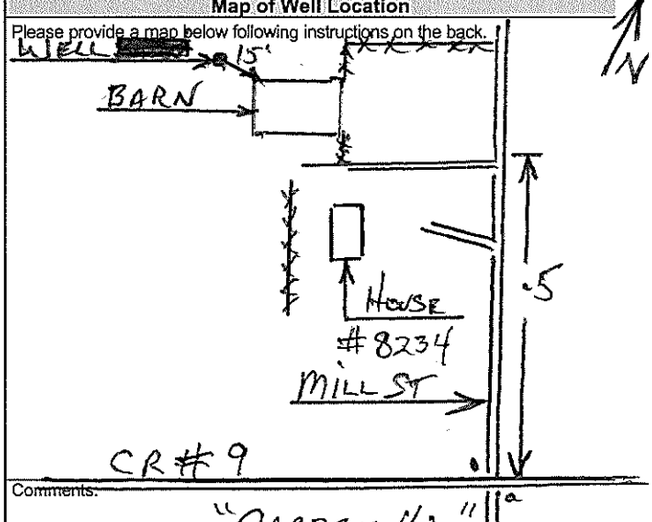
Well production (l/min / GPM): 7 GPM

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	10.00		
1	15.35	1	59.10
2	20.65	2	57.00
3	24.15	3	54.90
4	27.00	4	53.15
5	28.90	5	51.50
10	32.00	10	45.50
15	38.95	15	41.70
20	46.10	20	39.15
25	50.25	25	38.00
30	53.35	30	36.15
40	55.90	40	31.85
50	61.20	50	28.90
60	62.60	60	27.00

Map of Well Location

Please provide a map below following instructions on the back.



Comments: "GARDEN HILL"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
HERB LANE WELL DRILLING LTD	3167

Business Address (Street Number/Name)	Municipality
4852 HWY #7	OMEMEE

Province	Postal Code	Business E-mail Address
ON	K0K2W0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
	RICHARD ALLAN

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1868	[signature]	2011/12/19

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2011/11/08	2011/12/19

Ministry Use Only

Audit No. Z139606

Received FEB 21 2012

Ontario — Ministry of the Environment

Well Tag No. *(Place Sticker and/or Print Below)*: **A111135**

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3952 LAROSE CRES.		39.	4

County/District/Municipality	City/Town/Village	Province	Postal Code
NORTHUMBERLAND	GARDENHILL	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708419	4881057		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	SANDY, CLAY,	STONES.		0	17
GREY	SANDY, CLAY,	STONES.		17	60
BROWN	COARSE SAND			60	128
COARSE	SAND, FINE GRAVEL			128	132

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	20'	BENTONITE SLURRY	
		3/4 hole plug.	

Method of Construction

- [x] Cable Tool
- [ ] Diamond
- [ ] Rotary (Conventional)
- [ ] Jetting
- [ ] Rotary (Reverse)
- [ ] Driving
- [ ] Boring
- [ ] Digging
- [ ] Air percussion
- [ ] Other, specify

Well Use

- [ ] Public
- [ ] Commercial
- [ ] Not used
- [x] Domestic
- [ ] Municipal
- [ ] Dewatering
- [ ] Livestock
- [ ] Test Hole
- [ ] Monitoring
- [ ] Irrigation
- [ ] Cooling & Air Conditioning
- [ ] Industrial
- [ ] Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4	STEEL	188W	0	129

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
5 1/4	S. STEEL	18	132	124

Status of Well

- [x] Water Supply
- [ ] Replacement Well
- [ ] Test Hole
- [ ] Recharge Well
- [ ] Dewatering Well
- [ ] Observation and/or Monitoring Hole
- [ ] Alteration (Construction)
- [ ] Abandoned, Insufficient Supply
- [ ] Abandoned, Poor Water Quality
- [ ] Abandoned, other, specify
- [ ] Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
124-132	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	
	[ ] Fresh [ ] Untested	[ ]	

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	132'	6 1/4

Results of Well Yield Testing

After test of well yield, water was:
- [x] Clear and sand free
- [ ] Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 125'

Pumping rate (l/min / GPM): 10 G.P.M.

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 55.6

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 125'

Recommended pump rate (l/min / GPM): 10 G.P.M.

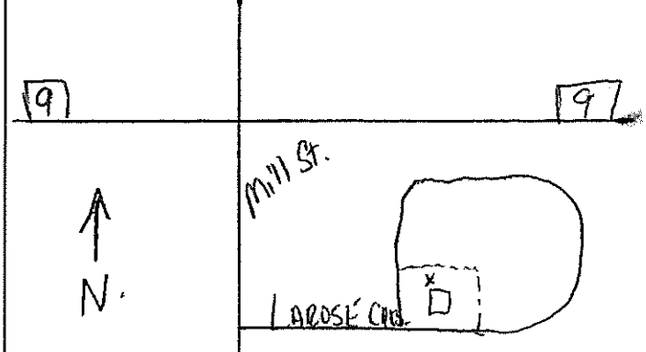
Well production (l/min / GPM): 10 G.P.M +

Disinfected?
- [x] Yes
- [ ] No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	10.6		
1	14.2	1	53
2	16.9	2	47.9
3	19.4	3	43.6
4	21.5	4	38.7
5	23	5	36
10	31	10	22.7
15	36	15	15.6
20	39.9	20	11.6
25	43.2	25	10.8
30	46.2	30	
40	50.4	40	
50	51.6	50	
60	55.6	60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
BURGESS WELL DRILLING	1455

Business Address (Street Number/Name)	Municipality
467 EMILY PARK RD.	

Province	Postal Code	Business E-mail Address
ONT.	K0L2W0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7057995871	Whitnell Dan

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1866		2011 09 28

Well owner's information package delivered	Date Package Delivered	Date Work Completed
[x] Yes [ ] No	2011 09 27	2011 09 26

Ministry Use Only

Audit No. Z126028

Received FEB 23 2012

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag#: A154951

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Same	Hope	16	8

County/District/Municipality	City/Town/Village	Province	Postal Code
Northumberland	Garden Hill	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708606	4881754		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Previously drilled, 6" well, finished 5' below grade in a 30" concrete pit.				
	30" concrete tiles (removed by excavator)			0'	5'
	6" steel cased drilled well			5'	124'
	Believed to be well ID# 4506539, drilled by 2104 in 1980				

Material ~~Annular Space~~ Used

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0'	5'	Bentonite chips	100lbs
Layered		Limestone Screenings	1.5 tonne
		Native soil	3 tonne

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4"	steel	.188	+2'	5'
* above casing was welded to below				
6 1/4"	steel	.188	5'	124'

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Water Details

Water found at Depth	Kind of Water	
124' (m/ft) ☐ Gas	☒ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	5'	8'x8'
5'	124'	6 5/8"

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)* 1 gpm

Recommended pump depth *(m/ft)* 25'

Recommended pump rate *(l/min / GPM)* 5 gpm

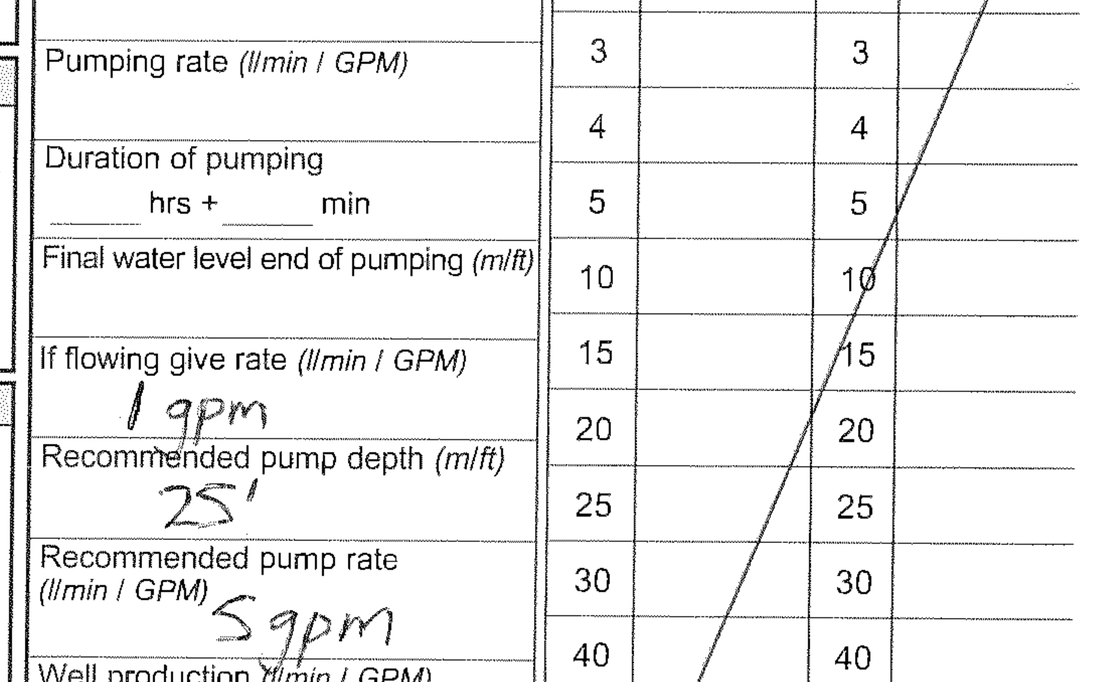
Well production *(l/min / GPM)* 10 gpm

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	0' Flow		
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	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: "Village of Garden Hill"

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Herb Lang Well Drilling Ltd.	3367

Business Address (Street Number/Name)	Municipality
4852 Hwy 7	Omemee

Province	Postal Code	Business E-mail Address
ON	K0K 2W0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7057997088	Miller, Scott

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2338	Herb Lang	20131016

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	20130628	20131010

Ministry Use Only

Audit No. Z173532

Received DEC 10 2013

0506E (2007/12) © Queen's Printer for Ontario, 2007

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. (A147474) **Tag#: A147474**

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Cty Rd 9 (Church)	Hope	pt lot 15	7

County/District/Municipality	City/Town/Village	Province	Postal Code
Northumberland	Garden Hill	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708272	4881626		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Gravel	sand		0	1
Brown	Sand	clay		1	8
Grey	Clay			8	42
Grey	Clay	gravel		42	65
Grey	Clay			65	95
Grey	Clay	sand		95	144
Grey	Limestone			144	148

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	20	Bentonite	

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify*

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4"	Steel	.188	+2	144.5
6"	Open Hole		144.5	148

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth	Kind of Water	Hole Diameter Depth From	Hole Diameter Depth To	Hole Diameter (cm/in)
144 (m/ft) ☐ Gas	☐ Fresh ☒ Untested ☐ Other, *specify*	0	20	8"
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*	20	148	6"
(m/ft) ☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*			

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify*

If pumping discontinued, give reason:

Pump intake set at (m/ft): 100ft

Pumping rate (l/min / GPM): 10gpm

Duration of pumping: 1 hrs + ____ min

Final water level end of pumping (m/ft): 61.3ft

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 100ft

Recommended pump rate (l/min / GPM): 7gpm

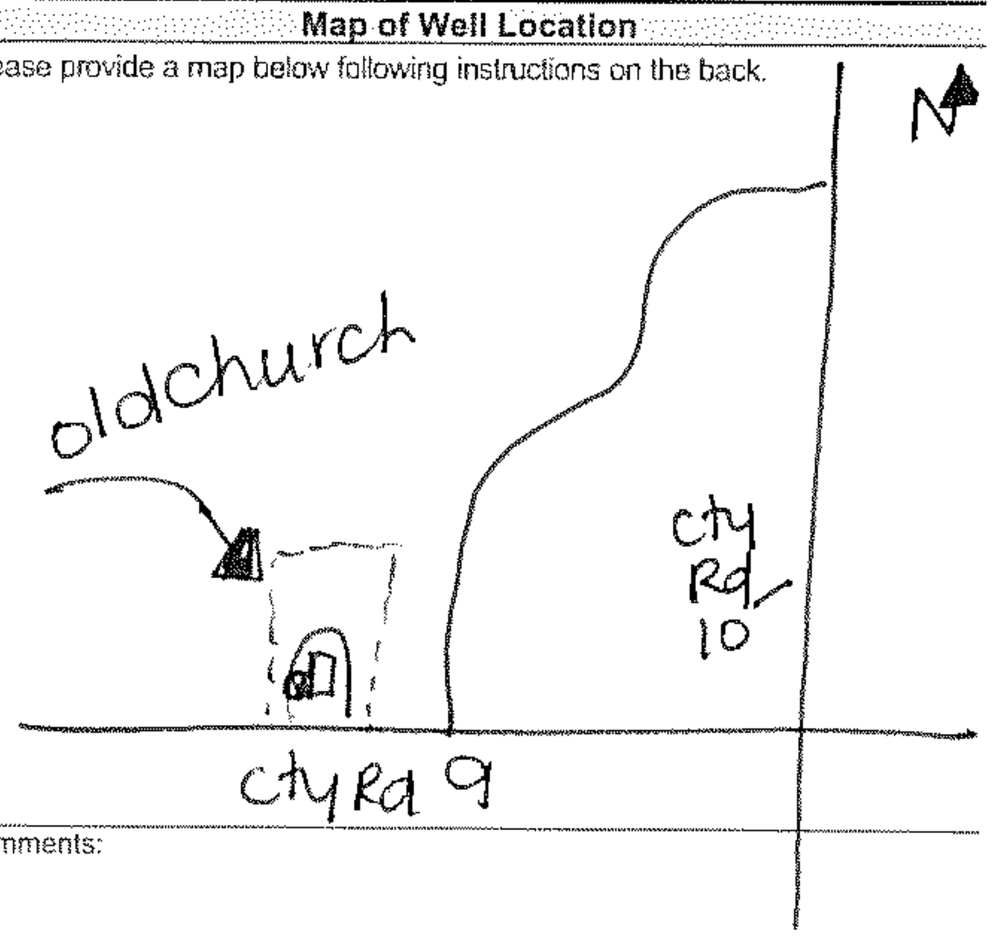
Well production (l/min / GPM):

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	31.7		
1	38.0	1	55.0
2	38.0	2	52.1
3	43.0	3	50.0
4	44.5	4	48.7
5	45.8	5	47.5
10	50.3	10	43.3
15	52.2	15	41.5
20	53.9	20	39.7
25	55.8	25	38.9
30	57.6	30	38.2
40	58.8	40	37.5
50	60.0	50	36.8
60	61.3	60	36.1

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons Well Drilling Ltd	2662

Business Address (Street Number/Name)	Municipality
P.O. Box 850	Fenelon Falls

Province	Postal Code	Business E-mail Address
Ont	K0M 1N0	ghart ghart.ca

Bus.Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7058873331	Rochetta, Mike

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3436		20140509

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☐ Yes ☐ No		2014 04 28

Ministry Use Only

Audit No Z 182902

MAY 14 2014

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag #: A165437

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3907 Ganaraska Rd.	Hope	16	7

County/District/Municipality	City/Town/Village	Province	Postal Code
Northumberland	Campbellcroft	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708196	4881548		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Top Soil		Soft	0	1
Brown	Clay	Gravel	Packed	1	5
Grey	Clay		Soft	5	130
Grey	Gravel	Sand	Packed	130	132
Grey	Limestone		Medium Hard	132	133

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	5	Bentonite Slurry	56 GALS
5	20	Bentonite Chips	100 lbs

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☑ Other, *specify* DR-126

Well Use

☐ Public ☐ Commercial ☐ Not used
☑ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4	Steel	.209	+2	132
6 1/4	Open Hole		132	133

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Results of Well Yield Testing

After test of well yield, water was:
☑ Clear and sand free
☐ Other, *specify*

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): 128'

Pumping rate (l/min / GPM): 4 GPM

Duration of pumping: 1 hrs 00 min

Final water level end of pumping (m/ft): 60'6"

If flowing give rate (l/min / GPM): N/A

Recommended pump depth (m/ft): 123 ft

Recommended pump rate (l/min / GPM): 4 GPM

Well production (l/min / GPM): 5 GPM

Disinfected?
☑ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	18'2"		
1	25'9"	1	56'1"
2	26'3"	2	53'9"
3	27'3"	3	52'
4	28'4"	4	50'4"
5	29'4"	5	48'8"
10	35'5"	10	41'8"
15	40'1"	15	36'4"
20	43'7"	20	32'2"
25	46'5"	25	29'
30	49'4"	30	26'7"
40	54'	40	21'4"
50	57'6"	50	19'3"
60	60'6"	60	18'9"

Water Details

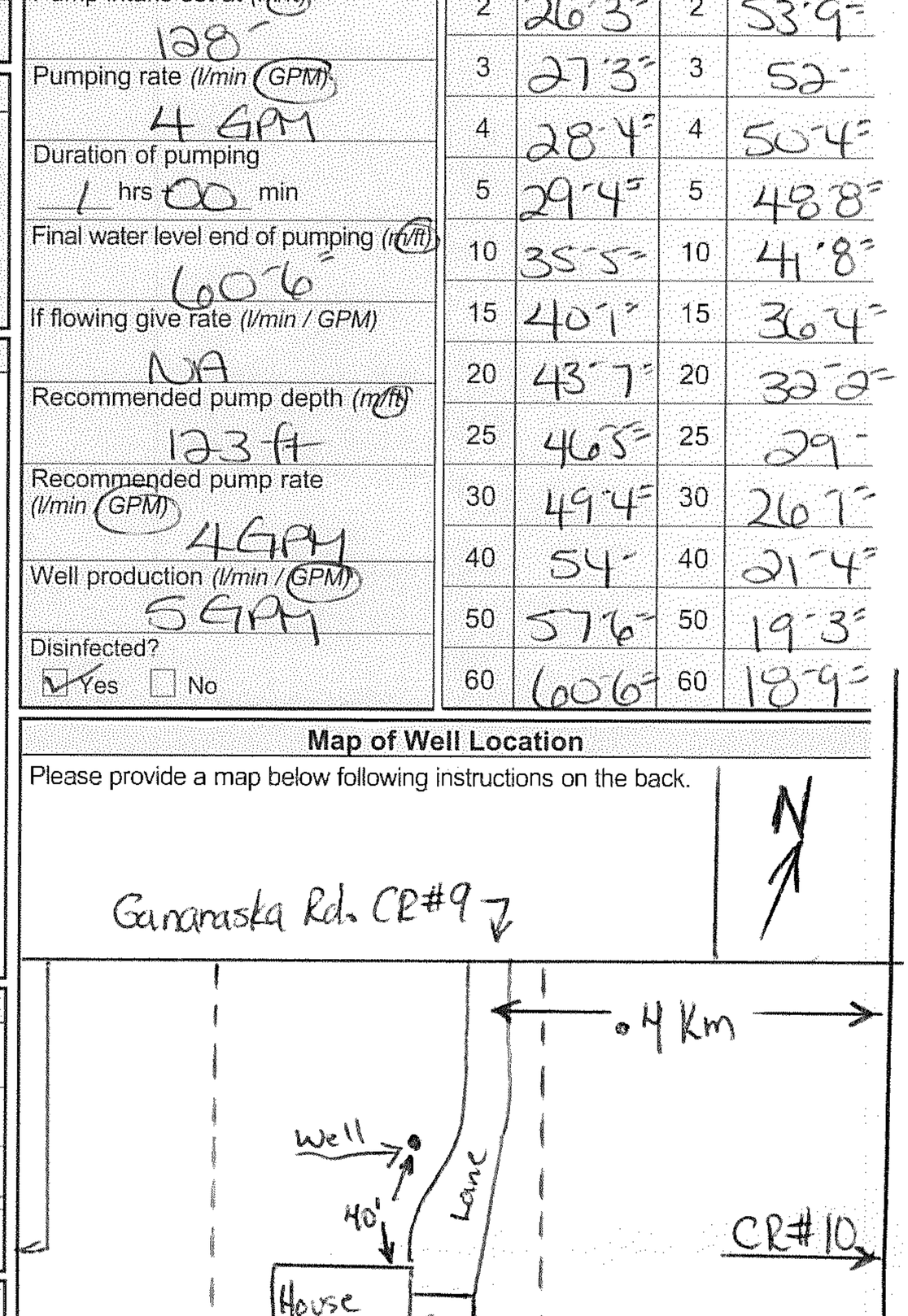
Water found at Depth (m/ft)	Kind of Water	
132	☐ Gas	☑ Fresh ☑ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	20	11 1/2
0	132	7 1/2
132	133	6

Map of Well Location

Please provide a map below following instructions on the back.



Comments: #3907

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Herb Lang Well Drilling Ltd	3360

Business Address (Street Number/Name)	Municipality
4852 Hwy #7	Omemee

Province	Postal Code	Business E-mail Address
ON	K0L2W0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7057997088	Richard, Allan

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1816 8		2014 07 30

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☑ Yes ☐ No	2014 07 11	2014 07 23

Ministry Use Only

Audit No. Z193434

Received DEC 08 2014

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag #: A165453

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Same	Hope	16	8

County/District/Municipality	City/Town/Village	Province	Postal Code
Northumberland	Garden Hill	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708579	4881740		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Previously drilled, 6" well, finished below grade in a 30" concrete well pit.				
	30" Concrete pit (removed with excavator)			0'	5'
	6" steel cased drilled well			5'	48'

Materials ~~Annular Space~~ used

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0'	5'	Bentonite chips	100 lbs
Layered		Limestone screenings	1 tonne
		Native Soil	2.5 tonne

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4"	steel	.188	+18"	5'
above casing was welded to below				
6 1/4"	steel	.188	5'	48'

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth	Kind of Water	
48' (m/ft) ☐ Gas	☐ Fresh ☒ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0'	5'	8'x8'
5'	48'	6 5/8"

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify*

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)* 112 gpm

Recommended pump depth *(m/ft)* 40'

Recommended pump rate *(l/min / GPM)* 5 gpm

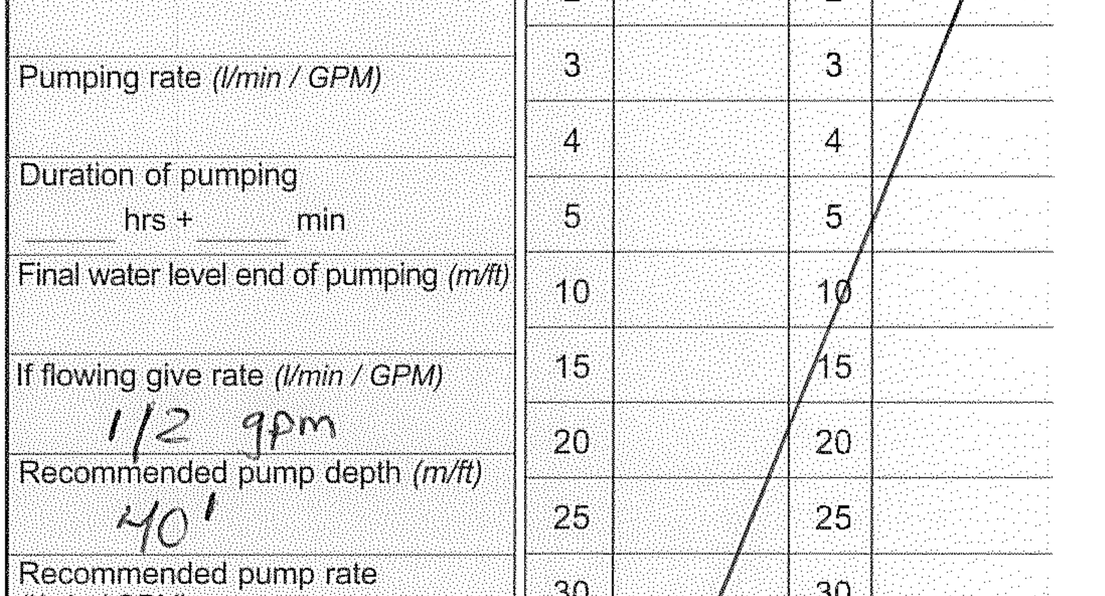
Well production *(l/min / GPM)* unknown

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	Flow		
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	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: "Garden Hill" ← .2km →

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Herb Lang Well Drilling Ltd.	3167

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
4852 Hwy. #7	Omemee	ON	K0K2W0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7057997088	Miller, Scott	2338	Garry Booth	2014 10 24

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2014 05 21	2014 10 21

Ministry Use Only

Audit No. Z 193472

DEC 03 2014 Received

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag#: A146325

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
231 Wright. Cres.		15	8

County/District/Municipality	City/Town/Village	Province	Postal Code
NORTHUMBERLAND	GARDEN HILL	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	17	708092	4882269.		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
BROWN	CLAY STONES.			1	21
GREY	CLAY STONES			21	76
BROWN	SAND & GRAVEL			76	80

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	20'	BENTONITE SLURRY	

Method of Construction

☑ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☑ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6 1/4	STEEL	188W	0	76'

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
5 1/4	S. STEEL	18	80	72'

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth	Kind of Water	
75-80 (m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	80	6 1/4

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at (m/ft): 70

Pumping rate (l/min / GPM): 5 G.P.M

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 47

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 70'

Recommended pump rate (l/min / GPM): 5 G.P.M

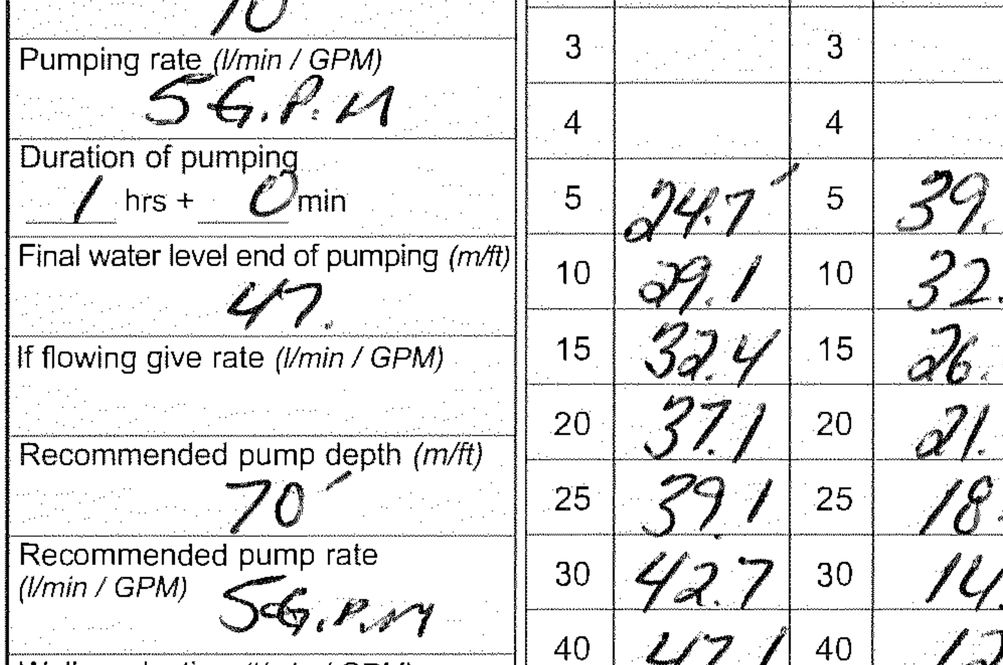
Well production (l/min / GPM): 8 G.P.M

Disinfected? ☑ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	12'		
1		1	
2		2	
3		3	
4		4	
5	24.7'	5	39.1
10	29.1	10	32.1
15	32.4	15	26.4
20	37.1	20	21.9.
25	39.1	25	18.1
30	42.7	30	14.
40	47.1	40	12.
50	47.1	50	
60	4	60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
BURGESS WELL DRILLING	1455

Business Address (Street Number/Name)	Municipality
467 EMERY PARK RD.	OMEMEE

Province	Postal Code	Business E-mail Address
ONT.	K0L2W0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7057990649	CHURCHILL DAN

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1866		20140924

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☑ Yes ☐ No	20140903	20140903

Ministry Use Only

Audit No. Z 1188747

JAN 30 2015

Received

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag #: A171338

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
8217 WOODLANDS	HOPE	15	7

County/District/Municipality	City/Town/Village	Province	Postal Code
NORTHUMBERLAND	GARDEN HILL	Ontario	L0A1B0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708447	4884104	Ø	

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
			TOP SOIL	0	1
BROWN	CLAY	SAND		1	18
BROWN	SAND	CLAY		18	42
GREY	GRAVEL	CLAY		42	150
GREY	GRAVEL	SAND, CLAY		150	158
GREY	LIMESTONE			158	164

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	20	BENTONITE SLURRY	

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify*

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6 1/4	STEEL	188	0	158
6	OPEN HOLE		158	164

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
	Ø			

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Kind of Water	
158	☐ Fresh ☒ Untested	☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Fresh ☐ Untested	☐ Gas ☐ Other, *specify*
Water found at Depth (m/ft)	☐ Fresh ☐ Untested	☐ Gas ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	164	6

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify*

If pumping discontinued, give reason: Ø

Pump intake set at (m/ft): 164

Pumping rate (l/min / GPM): 7

Duration of pumping: 2 hrs + 5 min

Final water level end of pumping (m/ft): 159

If flowing give rate (l/min / GPM): Ø

Recommended pump depth (m/ft): 165

Recommended pump rate (l/min / GPM): 5

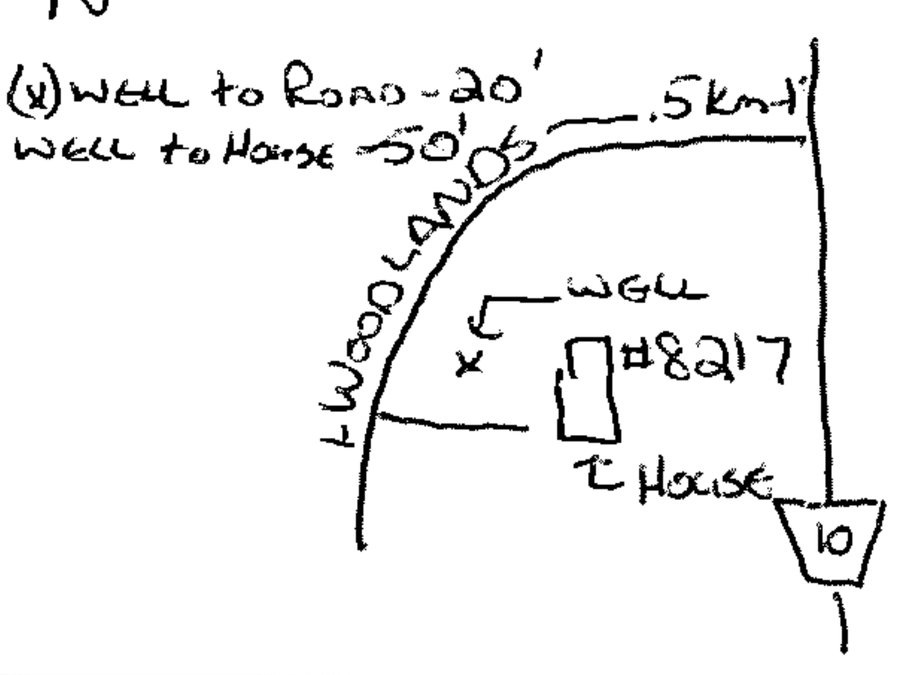
Well production (l/min / GPM): 5

Disinfected? ☐ Yes ☒ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	38	65	159
1	45	1	157
2	49	2	155
3	50	3	153
4	56	4	150
5	59	5	148
10	72	10	139
15	88	15	130
20	99	20	121
25	109	25	111
30	118	30	105
40	136	40	91
50	148	50	79
60	159	60	68

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Water Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
ROBERT RUTH WELL DRILLING LTD	4635

Business Address (Street Number/Name)	Municipality
832 WILSON LINE	CAVAN

Province	Postal Code	Business E-mail Address
ONT	L0A1C0	Ø

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7057995348	RUTH, BOB

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T292	[signature]	20140930

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	20140930	20140825

Ministry Use Only

Audit No. Z139206

Received MAR 30 2015

Ministry's Copy

* All Measurements in feet *

Ontario — Ministry of the Environment

Well Tag Number (Plate below): A027357 / A027357

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

[redacted]

Address of Well Location (County/District/Municipality): Northumberland

Township: Hope.

Lot: 15

Concession: 7

RR#/Street Number/Name: 8188 Woodland Ave.

City/Town/Village: Garden Hill

Site/Compartment/Block/Tract etc.: Sub Lot 28

GPS Reading: NAD 83 | Zone 17 | Easting 708382 | Northing 4882066

Unit Make/Model: Magellan

Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From (Metres ~~ft~~)	Depth To
Brown	Topsoil		Soft	0	6
Brown	Clay	Sand	Packed	6	26
Grey	Clay		Dense	26	101
Brown	Coarse Water. Gravel & Sand		Loose	101	104

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	20	8"
0	104	6"

Water Record

Water found at 104 Metres ~~ft~~ / Kind of Water

104 ~~m ft~~ ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From (Metres ~~ft~~)	Depth To
Casing				
6"/4	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	104
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: SUB PUMP

Pump intake set at (metres) 80 ~~ft~~

Pumping rate - (litres/min) 18 GPM

Duration of pumping 4 hrs + 00 min

Final water level end of pumping 8 ~~ft~~ metres

Recommended pump type. ☐ Shallow ☑ Deep

Recommended pump depth. 70 ~~ft~~ metres

Recommended pump rate. 10 GPM (litres/min)

If flowing give rate - 4 GPM (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	+ 2 flow			
1	2'	1	4'	
2	3'	2	1'	
3	4'	3	+2	
4	5'	4		
5	6'	5		
10	6'	10		
15		15		
20		20		
25		25		
30		30		
40		40		
50	↓	50	↓	
60	6'	60	+2	

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	20	Bentonite Slurry	28 GAL

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: Herb Lang Well Drilling Ltd — Well Contractor's Licence No.: 3367

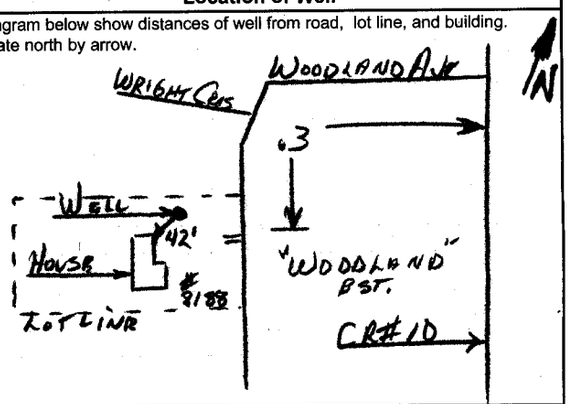
Business Address (street name) number, city etc.): 4852 Hwy #7, RR#1, Omemee, K0L2W0

Name of Well Technician (last name, first name): Franks, Ted — Well Technician's Licence No.: T-26031

Signature of Technician/Contractor: x [signature] — Date Submitted: 2005 / 06 / 10

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 24814

Date Well Completed: 2005 / 06 / 07

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered: 2005 / 06 / 25

Ministry Use Only

Data Source

Contractor: 3367

Date Received: JUL 08 2005

Date of Inspection

Remarks

Well Record Number

0506E (09/03)

Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

* All Measurements in feet

Ontario Ministry of the Environment

Well Tag Number (place sticker and print number below): A 027372

A027372

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only: MUN | CON | LOT

[redacted]

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Northumberland	Hope	15	7

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
LaRose Rd	Garden Hill	

GPS Reading: NAD 83 | Zone 17 | Easting 708674 | Northing 4881266 | Unit Make/Model: Magellan | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Brown	Clay	Sand	Packed	0	21
Grey	Clay		Dense	21	102
Brown	Coarse Water Sand		Loose With Pressure	102	111

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	20	8"
0	107	6"

Water Record

Water found at Metres	Kind of Water
111 ft	☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was: ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	~~Metres~~ Ft To
Casing				
6 1/4	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	107
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen (Stainless Steel)				
Outside diam 5"	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No. #16	107	111
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

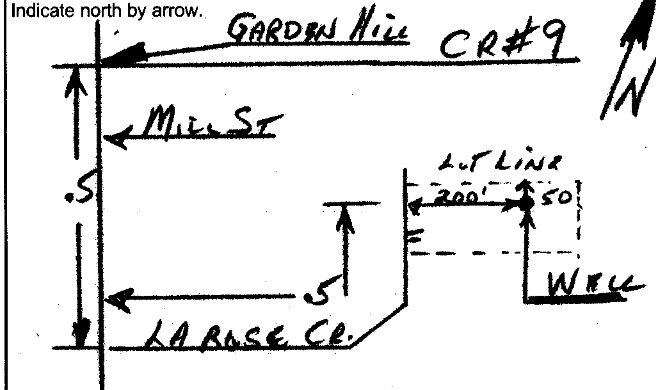
	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pumping test method: SUB PUMP	Static Level	10'		
Pump intake set at (metres): 111 ft	1	11'	1	11'
Pumping rate (litres/min): 15 GAL	2	12'	2	10'
Duration of pumping: 1 hrs + 00 min	3	13'	3	
Final water level end of pumping: 13 ft ~~metres~~	4		4	
Recommended pump type: ☐ Shallow ☑ Deep	5		5	
Recommended pump depth: 107 ft ~~metres~~	10		10	
Recommended pump rate (litres/min): 10 GPM	15		15	
If flowing give rate (litres/min)	20		20	
If pumping discontinued, give reason.	25		25	
	30		30	
	40		40	
	50		50	
	60	13'	60	10'

Plugging and Sealing Record ☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	20	Bentonite Slurry	28 GAL

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Method of Construction

☑ Cable Tool ☐ Rotary (conventional) ☐ Rotary (reverse) ☐ Rotary (air) ☐ Air percussion ☐ Boring ☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other

Water Use

☑ Domestic ☐ Stock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☐ Public Supply ☐ Not used ☐ Cooling & air conditioning ☐ Other

Final Status of Well

☑ Water Supply ☐ Observation well ☐ Test Hole ☐ Recharge well ☐ Abandoned, insufficient supply ☐ Abandoned, poor quality ☐ Unfinished ☐ Dewatering ☐ Replacement well ☐ Abandoned, (Other)

Well Contractor/Technician Information

Name of Well Contractor: Herb Lang Well Drilling Ltd. | Well Contractor's Licence No.: 3367

Business Address (street name, number, city etc.): 4852 Hwy #7, RR#1, Omemee, K0L2W0

Name of Well Technician (last name, first name): Franks, Ted | Well Technician's Licence No.: T-2631

Signature of Technician/Contractor: X [signature] | Date Submitted: 2005 06 30

Audit No. Z 24835 | Date Well Completed: 2005 06 29

Was the well owner's information package delivered? ☑ Yes ☐ No | Date Delivered: 2005 07 13

Ministry Use Only

Data Source | Contractor 3367

Date Received SEP 12 2005 | Date of Inspection

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

* All Measurements in feet

Ontario — Ministry of the Environment

Well Tag Nu (enter number below) A 024124

A024124

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Northumberland | Hope | 15 | 5

RR#/Street Number/Name: 3858 Larose Cres. | City/Town/Village: Garden Hill | Site/Compartment/Block/Tract etc.: SUB Lot 38

GPS Reading | NAD: 83 | Zone: 17 | Easting: 708492 | Northing: 4881299 | Unit Make/Model: Magellan | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	Clay		Dense	0	25
Grey	Clay		Dense	25	116
Grey	Gravel + Clay	Cobbles / Sand	Cemented	116	122
Brown	Coarse Water Sand		Loose With Pressure	122	126

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	20'	8"
0	122'	6"

Water Record

Water found at 126 ~~Metres~~ ft / Kind of Water

126 ft: ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
6 1/4"	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	122'
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Stainless Steel	**Screen**			
Outside diam		Slot No.		
5"	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	# 14	122'	126
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: SUB PUMP

Pump intake set at - (metres) 122ft

Pumping rate - (litres/min) 4 GPM

Duration of pumping 1 hrs + 30 min

Final water level end of pumping 119ft metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth. 122 ~~ft~~ metres

Recommended pump rate. 4 GPM (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason. —

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		0		
1		2'	1	117'
2	5'5"		2	116'
3	7'8"		3	114'
4	11'2"		4	111'
5	15'1"		5	109'
10	30'		10	103'
15	40'		15	98'
20	47'		20	92'
25	55'5"		25	88'
30	66'4"		30	85'
40	83'2"		40	73'
50	96'6"		50	66
60	109'		60	60

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	20	Bentonite Slurry	23 GALS

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: Herb Lang Well Drilling Ltd. | Well Contractor's Licence No.: 3307

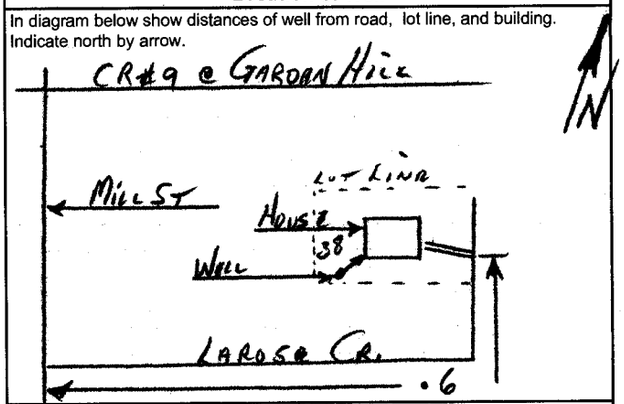
Business Address (street name, number, city etc.): 4852 Hwy #7, RR#1 Omemee, K0L2W0

Name of Well Technician (last name, first name): Franks, Ted | Well Technician's Licence No.: 1-2631

Signature of Technician/Contractor: X [signature] | Date Submitted YYYY MM DD: 2005 12 15

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 33045 | Date Well Completed YYYY MM DD: 2005 12 13

Was the well owner's information package delivered? ☑ Yes ☐ No | Date Delivered YYYY MM DD: 2005 11 16

Ministry Use Only

Data Source | Contractor: 3367

Date Received YYYY MM DD: JAN 17 2006 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number ( ) A027705

A027705

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality): Northumberland

Township: Hope Ward 2

Lot: 4 Concession: 8

RR#/Street Number/Name: 8175 Woodland Ave

City/Town/Village: Garden Hill

Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 Zone 17 Easting 708146 Northing 4881359

Unit Make/Model: Magellan

Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify 1130

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
Brown	Sand	Clay	Loose	0	4.8
Grey	Sand (Fine)	Clay Layers	Loose	4.8	15.0
Blue	Clay			15.0	22.5
Grey	Sand (Fine)		Saturated	22.5	30.3
Grey	Clay		Thick	30.3	31.5
Grey	Sand (Fine)	Clay Layers	Loose	31.5	42.0
Grey	Gravel (Mixed)	Sand (Fine)		42.0	44.4

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	60	20.0
6.0	44.4	16.5

Water Record

Water found at 22 Metres / Kind of Water

- [redacted] m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: Not Tested
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was
☑ Clear and sediment free
☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.24	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.5	0	44.4
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (metres) 41.4

Pumping rate - (litres/min) 17.6

Duration of pumping 1 hrs + 0 min

Final water level end of pumping 20.9 metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth. 41.4 metres

Recommended pump rate. 17.6 (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	6.9		
1	7.8	1	40.1
2	8.7	2	39.8
3	9.6	3	39.4
4	10.5	4	39.1
5	11.4	5	38.8
10	15.9	10	37.1
15	20.4	15	35.6
20	24.9	20	34.2
25	29.4	25	32.8
30	35.4	30	31.4
40	39.0	40	28.8
50	40.5	50	26.4
60	40.5	60	24.0

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.0	Bentonite Slurry	

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

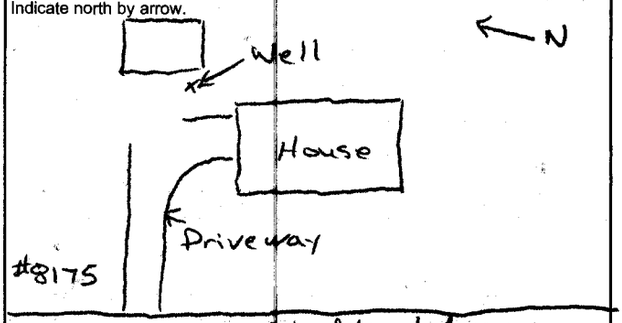
☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 29613

Date Well Completed: YYYY 2006 MM 01 DD 03

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered: YYYY 2006 MM 01 DD 04

Well Contractor/Technician Information

Name of Well Contractor: Hard Rock Well Drilling

Well Contractor's Licence No.: 7099

Business Address (street name, number, city etc.): 391 Barrett Rd. R3 Stirling K0K3E0

Name of Well Technician (last name, first name): Ray Irish

Well Technician's Licence No.: T-0145

Signature of Technician/Contractor: X [signature]

Date Submitted: YYYY 2006 MM 01 DD 31

Ministry Use Only

Data Source

Contractor: 7099

Date Received: FEB 07 2006 (YYYY MM DD)

Date of Inspection: YYYY MM DD

Remarks

Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag No. (Plate number below) A027935

A027935

Well Record

Regulation 903 Ontario Water Resources Act

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

HOPE 3 PT LOTS 8

RR#/Street Number/Name: 8064 COLDWELL COURT

City/Town/Village: GARDEN HILL LOT 180

Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone 17T | Easting 708253 | Northing 4881950

Unit Make/Model: ETREX

Mode of Operation: [X] Undifferentiated [ ] Averaged [ ] Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BLACK	TOPSOIL			0	.3048
	CLAY TILE			.3048	41.15
	BOULDERS			41.15	42.07
				42.07	44.20
	LIMESTONE			44.20	46.03

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	46.03	15.9

Water Record

Water found at ___ Metres / Kind of Water

46.03 m: [ ] Fresh [ ] Sulphur [ ] Gas [ ] Salty [ ] Minerals [X] Other:

___ m: [ ] Fresh [ ] Sulphur [ ] Gas [ ] Salty [ ] Minerals [ ] Other:

___ m: [ ] Fresh [ ] Sulphur [ ] Gas [ ] Salty [ ] Minerals [ ] Other:

After test of well yield, water was: [ ] Clear and sediment free [X] Other, specify

Chlorinated [X] Yes [ ] No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.9	[X] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized	.480	0	44.20
	[ ] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized			
	[ ] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized			
Screen				
Outside diam	[ ] Steel [ ] Fibreglass [ ] Plastic [ ] Concrete [ ] Galvanized	Slot No.		
No Casing or Screen				
	[X] Open hole		44.20	46.03

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres) 44.0	Static Level	2.4		
Pumping rate - (litres/min) 22.70	1	3.5	1	110.0
Duration of pumping 2 hrs + ___ min	2	4.0	2	38.0
Final water level end of pumping 41.9 metres	3	6.9	3	37.0
Recommended pump type. [ ] Shallow [X] Deep	4	10.4	4	35.9
Recommended pump depth. 45.0 metres	5	11.0	5	34.0
Recommended pump rate. 22.7 (litres/min)	10	12.9	10	30.0
If flowing give rate - (litres/min)	15	16.4	15	28.9
If pumping discontinued, give reason	20	20.5	20	27.4
	25	24.8	25	24.4
	30	30.8	30	23.0
	40	35.0	40	22.0
	50	40.0	50	21.9
	60	41.9	60	20.0

Plugging and Sealing Record

[X] Annular space [ ] Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.10	BENSEAL SLURRY	.3406869

Method of Construction

[X] Cable Tool [ ] Rotary (air) [ ] Diamond [ ] Digging
[ ] Rotary (conventional) [ ] Air percussion [ ] Jetting [ ] Other
[ ] Rotary (reverse) [ ] Boring [ ] Driving

Water Use

[X] Domestic [ ] Industrial [ ] Public Supply [ ] Other
[ ] Stock [ ] Commercial [ ] Not used
[ ] Irrigation [ ] Municipal [ ] Cooling & air conditioning

Final Status of Well

[X] Water Supply [ ] Recharge well [ ] Unfinished [ ] Abandoned, (Other)
[ ] Observation well [ ] Abandoned, insufficient supply [ ] Dewatering
[ ] Test Hole [ ] Abandoned, poor quality [ ] Replacement well

Well Contractor/Technician Information

Name of Well Contractor: KITCHEN WELL DRILLING — Well Contractor's Licence No.: 7156

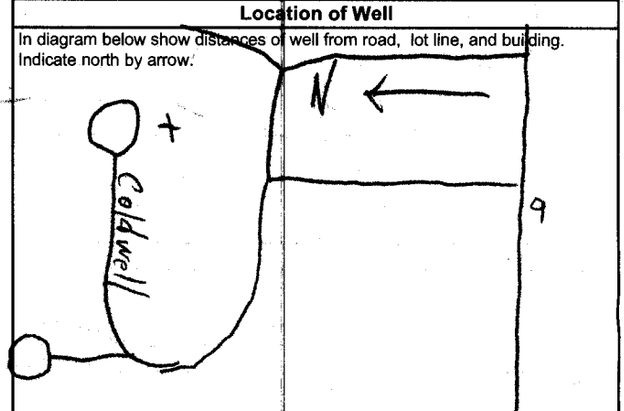
Business Address (street name, number, city etc.): 884 ELDON ROAD OAKWOOD ON K0M2M0

Name of Well Technician (last name, first name): KITCHEN, TODD — Well Technician's Licence No.: T2336

Signature of Technician/Contractor: X [signature] — Date Submitted YYYY MM DD: 2006 02 16

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 29948

Date Well Completed YYYY MM DD: 2006 02 14

Was the well owner's information package delivered? [X] Yes [ ] No

Date Delivered YYYY MM DD: 2006 02 14

Ministry Use Only

Data Source

Contractor 7156

Date Received YYYY MM DD: FEB 20 2006

Date of Inspection YYYY MM DD

Remarks

Well Record Number

Cette formule est disponible en français

Ontario Ministry of the Environment

Well Tag Number (place sticker and print number below) A 019421

A019421

Well Record

Regulation 903 Ontario Water Resources Act

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
NORTHUMBERLAND	HOPE	16	07

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.
3856 LARROSE CR.		

GPS Reading: NAD 83 | Zone 17 | Easting 708545 | Northing 4881270 | Unit Make/Model SPORT TRAC | Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth Metres From	To
			TOP SOIL	0	.9
BROWN	CLAY			.9	5.4
GREY	CLAY	GRAVEL		5.4	33
BROWN	GRAVEL	SAND		33	34.5

Hole Diameter

Depth Metres From	To	Diameter Centimetres
0	34.5	16.8

Water Record

Water found at Metres	Kind of Water
34.5 m	☒ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: untested
m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☒ Clear and sediment free ☐ Other, specify

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres From	To
Casing				
15.5	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.48	0	34.5
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen (Outside diam)		Slot No.		
15	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	20	31.8	34.5

No Casing or Screen: ☐ Open hole

Test of Well Yield

Pumping test method: Pump

Pump intake set at - (metres) 24

Pumping rate - (litres/min) 22.5

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping 5.7 metres

Recommended pump type. ☐ Shallow ☒ Deep

Recommended pump depth. 30 metres

Recommended pump rate. 22.5 (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres
Static Level	.9		
1	2.4	1	4.8
2	3	2	4.2
3	3.6	3	3.6
4	3.9	4	3.3
5	4.2	5	2.7
10	5.1	10	2.1
15	5.4	15	1.5
20	5.7	20	.9
25	|	25	|
30	|	30	|
40	|	40	|
50	|	50	|
60	5.7	60	.9

Plugging and Sealing Record ☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6	Ez-QUIK MIX GROUT	

Method of Construction

☒ Cable Tool ☐ Rotary (conventional) ☐ Rotary (reverse) ☐ Rotary (air) ☐ Air percussion ☐ Boring ☐ Diamond ☐ Jetting ☐ Driving ☐ Digging ☐ Other

Water Use

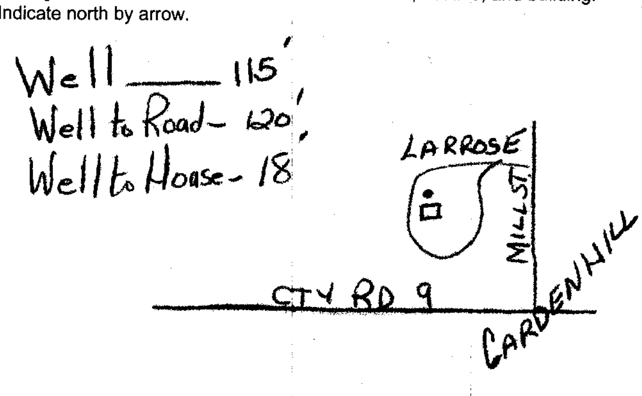
☒ Domestic ☐ Stock ☐ Irrigation ☐ Industrial ☐ Commercial ☐ Municipal ☐ Public Supply ☐ Not used ☐ Cooling & air conditioning ☐ Other

Final Status of Well

☒ Water Supply ☐ Observation well ☐ Test Hole ☐ Recharge well ☐ Abandoned, insufficient supply ☐ Abandoned, poor quality ☐ Unfinished ☐ Dewatering ☐ Replacement well ☐ Abandoned, (Other)

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 19706

Date Well Completed (YYYY MM DD): 2005 10 28

Was the well owner's information package delivered? ☐ Yes ☒ No

Date Delivered: to be delivered

Well Contractor/Technician Information

Name of Well Contractor: ROBERT RUTH WELL DRILLING LTD

Well Contractor's Licence No.: 4635

Business Address (street name, number, city etc.): RR#2 Cavan, On L0A1C0

Name of Well Technician (last name, first name): Doug Ruth

Well Technician's Licence No.: T-1839

Signature of Technician/Contractor: [signature]

Date Submitted (YYYY MM DD): 2005 02 28

Ministry Use Only

Data Source:

Contractor: 4635

Date Received: MAR 1 6 2006

Date of Inspection:

Remarks:

Well Record Number:

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☒ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag Number: A 031940
A031940

Well Record
Regulation 903 Ontario Water Resources Act

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality): NORTHUMBERLAND
Township: HOPE
Lot: 16
Concession: 07
RR#/Street Number/Name: 3857 Larrose Cr.
City/Town/Village: CAMPBELL CROFT
Site/Compartment/Block/Tract etc.:
GPS Reading: NAD 83 | Zone 17 | Easting 708633 | Northing 4881352
Unit Make/Model:
Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
			TOP SOIL	0	.6
BROWN	CLAY	SAND		.6	4.8
WHITE	CLAY			4.8	33
WHITE	GRAVEL	SAND		33	36
BROWN	GRAVEL	SAND		36	37.2

Hole Diameter

Depth From	Depth To	Diameter Centimetres
0	37.2	16.8

Water Record

Water found at ___ Metres	Kind of Water
37.2 m	☒ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: untested
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was: ☐ Clear and sediment free ☐ Other, specify

Chlorinated ☒ Yes ☐ No

Construction Record

Casing

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
15.5	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	48	0	37.2
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam	Material	Slot No.	Depth From	Depth To
15.2	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	20	34.5	37.2

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres) 36	Static Level	4.2		30.9
Pumping rate - (litres/min) 22.5	1	5.1	1	29.4
Duration of pumping 2 hrs + 0 min	2	6	2	27.9
Final water level end of pumping 23.9 metres	3	6.9	3	27
Recommended pump type. ☐ Shallow ☒ Deep	4	7.8	4	25.2
Recommended pump depth. 36 metres	5	8.4	5	25.2
Recommended pump rate. 22.5 (litres/min)	10	12	10	21.3
If flowing give rate - (~~litres~~/min)	15	14.4	15	18.3
If pumping discontinued, give reason. 0	20	16.2	20	15
	25	18	25	12.3
	30	19.5	30	10.5
	40	21.3	40	7.8
	50	23.1	50	5.4
	60	23.7	60	4.2

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6	BENTONITE SLURRY GROUT	

Method of Construction

☒ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

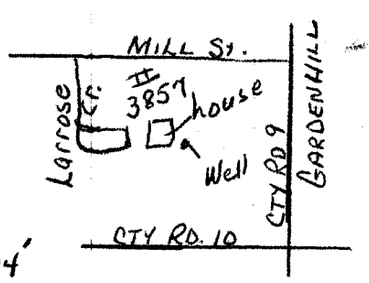
☒ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Well ——— 124'

Audit No. Z 19729
Date Well Completed: YYYY 2005 MM 11 DD 17
Was the well owner's information package delivered? ☒ Yes ☐ No
Date Delivered: YYYY 2005 MM 12 DD 13

Well Contractor/Technician Information

Name of Well Contractor: ROBERT RUTH WELLDRILLING LTD
Well Contractor's Licence No.: 4635
Business Address (street name, number, city etc.): 832 Wilson Line R.R.#2 Cavan. On. L0A 1C0
Name of Well Technician (last name, first name): Doug Ruth
Well Technician's Licence No.: T-1839
Signature of Technician/Contractor:
Date Submitted: YYYY 2005 MM 12 DD 01

Ministry Use Only

Data Source:
Contractor: 4635
Date Received: MAR 16 2006 YYYY MM DD
Date of Inspection: YYYY MM DD
Remarks:
Well Record Number:

Ontario Ministry of the Environment

We A 023658 (t number below)

A023658

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

First Name O | Last Name [illegible] | Mailing Address (Street Number/Name, RR, Lot, Concession) [illegible]

[redacted]

RR#/Street Number/Name: LAROSE CR

City/Town/Village: GARDEN HILL

Site/Compartment/Block/Tract etc.: PLAN 9 M735

GPS Reading: NAD 8 3 | Zone 17 | Easting 708337 | Northing 4861100

Unit Make/Model: GARMIN

Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify 6m.

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BROWN	TOPSOIL			0	.609
BROWN	CLAY, STONE			.60	9.75
GREY.	CLAY, STONE			9.75	36.27
BROWN	SAND, SILT, CLAY, GRAVEL.			36.27	44.19
GRAVEL &	SAND.			44.19	45.72

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	45.72	15.9

Water Record

Water found at ___ Metres / Kind of Water

45.72 ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.9	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	188W	0	45.72
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: PUMP

Pump intake set at - (metres) 39.62

Pumping rate - (litres/min) 20.73

Duration of pumping 1 hrs + 0 min

Final water level end of pumping 5.18 metres

Recommended pump type. ☐ Shallow ☑ Deep

Recommended pump depth. 39.62 metres

Recommended pump rate. 20.73 (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		2.13		
1		2.74	1	4.57
2		3.35	2	3.35
3		3.96	3	2.43
4		4.57	4	2.28
5		4.57	5	2.13
10		4.99	10	
15		5.18	15	
20		"	20	
25		"	25	
30		"	30	
40		"	40	
50		"	50	
60		"	60	

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.09	BENTONITE SLUERY.	

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: BURGESS WELL DRILLING | Well Contractor's Licence No.: 1455

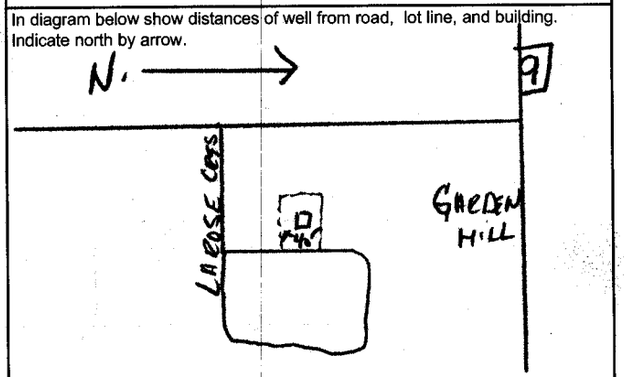
Business Address (street name, number, city etc.): RR#1 ORMEMEE, ONT, KOL2WO

Name of Well Technician (last name, first name): VANBERT. | Well Technician's Licence No.: T-10

Signature of Technician/Contractor X [signature] | Date Submitted YYYY MM DD: 2005 APR 17

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 33308 | Date Well Completed YYYY MM DD: 2005 08 10

Was the well owner's information package delivered? ☑ Yes ☐ No | Date Delivered YYYY MM DD: 2005 OCT 20

Ministry Use Only

Data Source | Contractor: 1455

Date Received YYYY MM DD: APR 20 2006 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario | Ministry of the Environment

Well Tag Number (Place sticker and print number below)

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

[redacted]

Address of Well Location (County/District/Municipality)	Township	Lot	Concession
Northumberland	Hope	17	7

RR#/Street Number/Name	City/Town/Village	Site/Compartment/Block/Tract etc.

GPS Reading: NAD 8 3 | Zone 17 | Easting 707649 | Northing 4881227 | Unit Make/Model: Magellan | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth ~~Metres~~ To
			Abandonment of Drilled Well 60ft Deep		

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)

Water Record

Water found at ___ Metres / Kind of Water

- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:
- ___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was
☐ Clear and sediment free
☐ Other, specify

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ____hrs +____ min	2		2	
Final water level end of pumping ____metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ____metres	5		5	
Recommended pump rate. (litres/min)	10		10	
	15		15	
If flowing give rate - (litres/min)	20		20	
	25		25	
If pumping discontinued, give reason.	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	4	Natural Fill	
4	20	Holeplug	
20	60	3/4 Stone	

Method of Construction

☐ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☐ Water Supply ☐ Recharge well ☐ Unfinished ☒ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor	Well Contractor's Licence No.
G.Hart & Sons WEll DRilling Ltd	2662

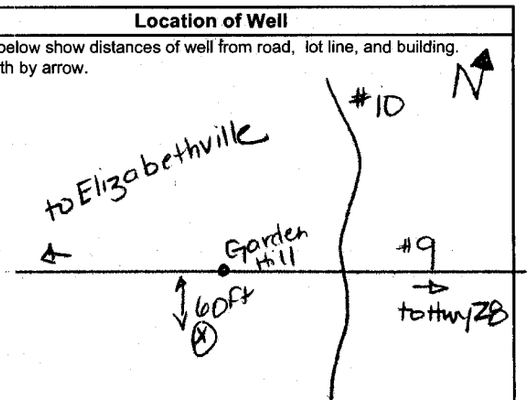
Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ont K0M 1N0

Name of Well Technician (last name, first name)	Well Technician's Licence No.
Lean, Jim	T-0546

Signature of Technician/Contractor: X [signature] | Date Submitted YYYY MM DD

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 32079 | Date Well Completed YYYY MM DD: 2005 11 23

Was the well owner's information package delivered? ☐ Yes ☐ No | Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor: 2662

Date Received: NOV 07 2006 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario | Ministry of the Environment

Well Tag Number (Place sticker and print number below)

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Northumberland | Hope | 17 | 7

RR#/Street Number/Name: Cty Rd 9

City/Town/Village: Garden Hill

Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone 17 | Easting 707649 | Northing 4881227

Unit Make/Model: Magellan

Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
			Abandonment of Well 80Ft Deep see record 111100		

Hole Diameter

Depth From	Depth To	Diameter Centimetres

Water Record

Water found at ___ Metres / Kind of Water

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☐ Clear and sediment free ☐ Other, specify

Chlorinated ☐ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ___hrs +___ min	2		2	
Final water level end of pumping ___metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___metres	5		5	
Recommended pump rate. (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
If pumping discontinued, give reason.	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

☐ Annular space ☒ Abandonment

Depth set at - From	Depth set at - To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
80	20	3/4 Stone	
20	5	Holeplug	
5	4	Cement	
4	0	Natural Fill	

Method of Construction

☐ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☐ Water Supply ☐ Recharge well ☐ Unfinished ☒ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: G.Hart & Sons Well Drilling Ltd | Well Contractor's Licence No.: 2662

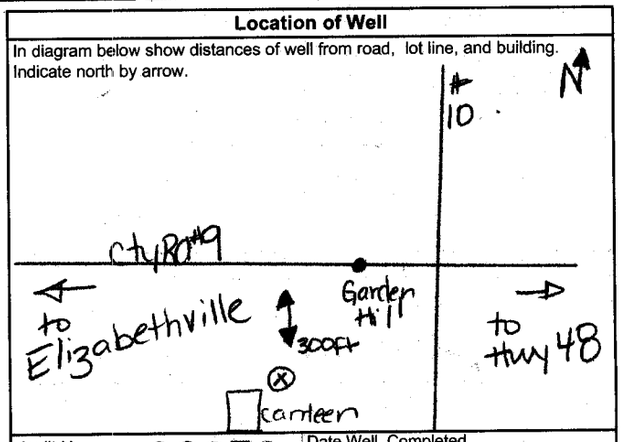
Business Address (street name, number, city etc.): P.O. Box 850 Fenelon Falls Ontario K0M1N0

Name of Well Technician (last name, first name): Lean, Jim | Well Technician's Licence No.: T-0546

Signature of Technician/Contractor: X [signature] | Date Submitted YYYY MM DD

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 32078 | Date Well Completed YYYY MM DD: 2005 11 23

Was the well owner's information package delivered? ☐ Yes ☐ No | Date Delivered YYYY MM DD

Ministry Use Only

Data Source | Contractor: 2662

Date Received YYYY MM DD: NOV 07 2006 | Date of Inspection YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

All Measurements in Imperial

Ontario Ministry of the Environment

Well Tag (or below): A 042234

A042234

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Northumberland | Hope | 15 | 8

RR#/Street Number/Name: Woodland Est. | City/Town/Village: Garden Hill | Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 | Zone 17 | Easting 708329 | Northing 4882260 | Unit Make/Model: Hagelan | Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions) — feet ~~Metres~~

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
Brown	Sand		Packed	0	24
Grey	Clay		Dense	24	69
Grey	Sand	Gravel	Packed	69	71
Brown	Gravel	Sand	Water Bearing	71	72

Hole Diameter

Depth From	Depth To	Diameter Centimetres
0	20	8"1
0	72	6"1

Water Record

Water found at ~~Metres~~ ft / Kind of Water

72 ft ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other: Untested

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record — feet ~~Metres~~

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
6"1/4	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	.188	0	72
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method: SUB PUMP

Pump intake set at - (metres) 69ft

Pumping rate - (litres/min) 6GPM

Duration of pumping 3 hrs + 30 min

Final water level end of pumping 17 ft ~~metres~~

Recommended pump type. ☐ Shallow ☑ Deep

Recommended pump depth. 65 ft ~~metres~~

Recommended pump rate. 5 GPM (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason. —

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		14'		
1	1	16'	1	16'
2	2	16'6"	2	15'6"
3	3	16'8"	3	15'
4	4	16'8½"	4	14'6"
5	5	16'9"	5	14'
10	10	16'10"	10	
15	15	16'11"	15	
20	20	16'11½"	20	
25	25	17'	25	
30	30	17'	30	
40	40	17'	40	✓
50	50	17'1"	50	
60	60	17'5"	60	14'

Plugging and Sealing Record ☑ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	20	Bentonite Slurry	100 GAL

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: Herb Lang Well Drilling Ltd. | Well Contractor's Licence No.: 3367

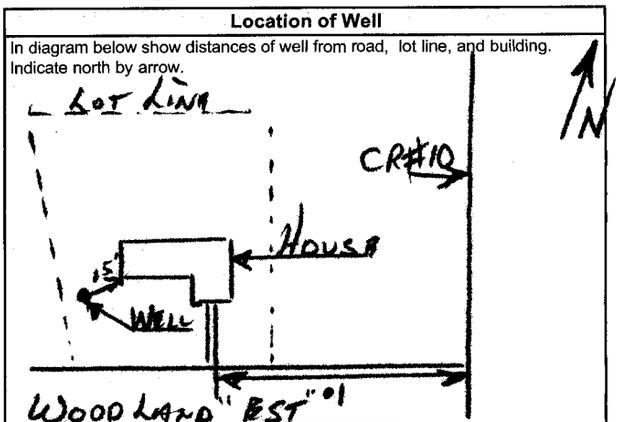
Business Address (street name, number, city etc.): 4852 Hwy #7, RR#1, Dmerree KOL2WO

Name of Well Technician (last name, first name): Miller, Scott | Well Technician's Licence No.: T-2338

Signature of Technician/Contractor: X [signature] | Date Submitted: 2006 YYYY 10 MM 17 DD

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 47171

Date Well Completed: 2006 10 13

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered: 2006 10 19

Ministry Use Only

Data Source | Contractor: 3367

Date Received: JAN 25 2007 | Date of Inspection

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐ *Cette formule est disponible en français*

Ontario Ministry of the Environment

Well Tag Number (Place sticker and print number below): A 032960 / A 032960

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Address of Well Location (County/District/Municipality): PORT HOPE

Township: HOPE

Lot: 15

Concession: 8

RR#/Street Number/Name: 8081 CALDWELL COURT.

City/Town/Village: GARDENHILL

Site/Compartment/Block/Tract etc.:

GPS Reading: 187m.

NAD: 83

Zone: 17

Easting: 708202

Northing: 4881963

Unit Make/Model: GARMIN

Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify 6m

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
BLACK	TOPSOIL			0	.60
BROWN	SANDY CLAY			.60	12.80
GREY.	SANDY, CLAY			12.80	32.61
GREY.	CLAY & STONE			32.61	44.50
&	SAND & GRAVEL.			44.50	45.72

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	45.72	15.9

Water Record

Water found at ___ Metres	Kind of Water		
45.72	☑ Fresh	☐ Sulphur	☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh	☐ Sulphur	☐ Gas ☐ Salty ☐ Minerals ☐ Other:
___ m	☐ Fresh	☐ Sulphur	☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was: ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Casing

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
15.9	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	1886	0	44.19
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam	Material	Slot No.	Depth From	Depth To (Metres)
12.7	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	18	44.19	45.72

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump.

Pump intake set at - (metres): 43.28

Pumping rate - (litres/min): 22.73

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping: ___ metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth: 43.28 metres

Recommended pump rate: 22.73 (litres/min)

If flowing give rate - (litres/min):

If pumping discontinued, give reason: —

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level	0			
1	1.21	1	29.87	
2	2.59	2	28.46	
3	3.65	3	26.57	
4	5.18	4	24.68	
5	6.70	5	23.46	
10	10.36	10	21.03	
15	12.80	15	18.34	
20	15.33	20	15.84	
25	17.64	25	14.08	
30	20.17	30	11.73	
40	23.77	40	9.11	
50	27.67	50	7.31	
60	30.78	60	5.79	

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.09	BENTONITE SLUREY	

Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

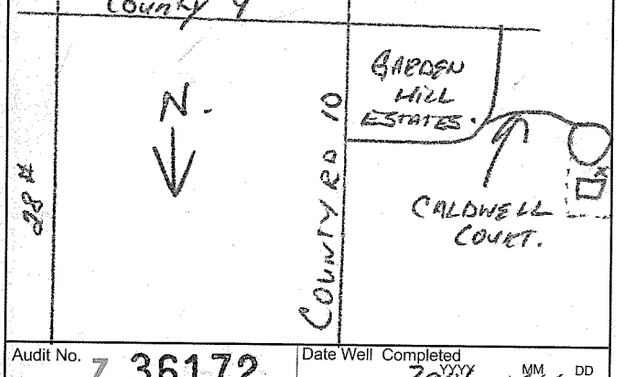
☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No.: Z 36172

Date Well Completed: 2006 04

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered: 2006 04

Well Contractor/Technician Information

Name of Well Contractor: BURGESS WELL DRILLING

Well Contractor's Licence No.: 1455

Business Address (street name, number, city etc.): RR#1 ORMEMEE, ONT.

Name of Well Technician (last name, first name): Whittell, Dan

Well Technician's Licence No.: T-1866

Signature of Technician/Contractor: x

Date Submitted: 2006 04

Ministry Use Only

Data Source

Contractor: 1455

Date Received: APR 16 2007

Date of Inspection

Remarks

Well Record Number

0506E (09/03)

Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario Ministry of the Environment

Well A032997 (number below)

A032997

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN ___ ZON ___

Well Owner's Information and Location of Well

[redacted]

Address of Well Location (County/District/Municipality): NORTHUMBERLAND

Township: HOPE

Lot: 8

Concession: 6

RR#/Street Number/Name: 3988 FROST AVE

City/Town/Village: GARDEN HILL

Site/Compartment/Block/Tract etc.

GPS Reading: 155m. NAD: 83 Zone: 17 Easting: 708231 Northing: 4888159

Unit Make/Model: GARMIN

Mode of Operation: ☐ Undifferentiated ☑ Averaged ☐ Differentiated, specify gps

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BROWN	CLAY & STONES.			0	17.06
GREY.	SANDY CLAY			17.06	43.89
BROWN	COARSE SAND.			43.89	44.80

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	44.80	15.9

Water Record

Water found at ___ Metres / Kind of Water

44.80 m ☑ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

___ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other:

After test of well yield, water was ☑ Clear and sediment free ☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Casing

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
15.9	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	188W	0	43.89
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			

Screen

Outside diam		Slot No.		
12.9	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	18	43.89	44.80

No Casing or Screen

☐ Open hole

Test of Well Yield

Pumping test method: Pump.

Pump intake set at - (metres): 42.36

Pumping rate - (litres/min): 45.46

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping: 28.95 metres

Recommended pump type: ☐ Shallow ☑ Deep

Recommended pump depth: 42.36 metres

Recommended pump rate: 45.46 (litres/min)

If flowing give rate - (litres/min)

If pumping discontinued, give reason.

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		10.36		
	1	10.97	1	27.43
	2	11.58	2	26.21
	3	12.25	3	25.29
	4	12.80	4	24.14
	5	13.86	5	22.86
	10	16.00	10	20.72
	15	18.13	15	18.89
	20	20.11	20	17.37
	25	22.25	25	15.84
	30	25.60	30	14.62
	40	28.95	40	12.80
	50	"	50	10.97
	60	"	60	10.36

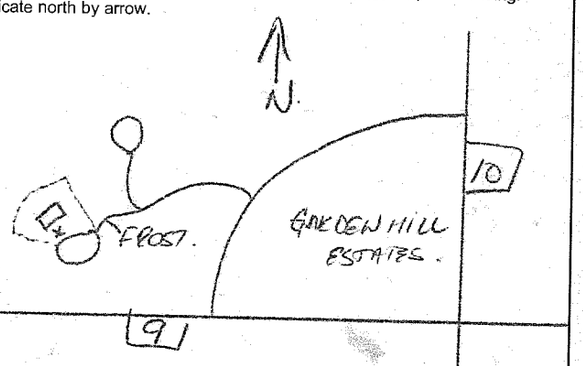
Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.09	BENTONITE SLURRY	

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Method of Construction

☑ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☑ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Audit No. Z 36082

Date Well Completed: YYYY 2006 MM 02 DD 21

Was the well owner's information package delivered? ☑ Yes ☐ No

Date Delivered: YYYY 2006 MM 02 DD 22

Well Contractor/Technician Information

Name of Well Contractor: BURGESS WELL DRILLING

Well Contractor's Licence No.: 1455

Business Address (street name, number, city etc.): RR#1 OMEMEE, ONT. K0L-2W0

Name of Well Technician (last name, first name): WHITTY, DAN

Well Technician's Licence No.: T-1866

Signature of Technician/Contractor

Date Submitted: YYYY 2006 MM 02 DD 22

Ministry Use Only

Data Source

Contractor: 1455

Date Received: APR 16 2007

Date of Inspection: YYYY MM DD

Remarks

Well Record Number

506E (09/03)

Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag#: A250228

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3695 GANARASKA RD.	PORT HOPE	—	—

County/District/Municipality	City/Town/Village	Province	Postal Code
NORTHUMBERLAND	CAMPBELLCROFT	Ontario	L0A 1B0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	707811	4881349	—	—

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	CLAY	SAND	MIXED	0	8
GREY	CLAY			8	46
BROWN	GRAVEL	SAND	COARSE	46	49

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used *(Material and Type)*	Volume Placed *(m^3/ft^3)*
0	20	BENTONITE	Ø

Method of Construction

☒ Cable Tool
☐ Rotary (Conventional)
☐ Rotary (Reverse)
☐ Boring
☐ Air percussion
☐ Other, *specify* _____
☐ Diamond
☐ Jetting
☐ Driving
☐ Digging

Well Use

☐ Public
☒ Domestic
☐ Livestock
☐ Irrigation
☐ Industrial
☐ Other, *specify* _____
☐ Commercial
☐ Municipal
☐ Test Hole
☐ Cooling & Air Conditioning
☐ Not used
☐ Dewatering
☐ Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6	STEEL	188	0	49

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6	STAINLESS STEEL	#20	41	49

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify* _____
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	
49	☐ Gas	☐ Fresh ☒ Untested ☐ Other, *specify* _____
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify* _____

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	49	6 1/4

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason: Ø

Pump intake set at (m/ft): 47

Pumping rate (l/min / GPM): 5

Duration of pumping: 1 hrs + 00 min

Final water level end of pumping (m/ft): 34

If flowing give rate (l/min / GPM): Ø

Recommended pump depth (m/ft): 47

Recommended pump rate (l/min / GPM): 5

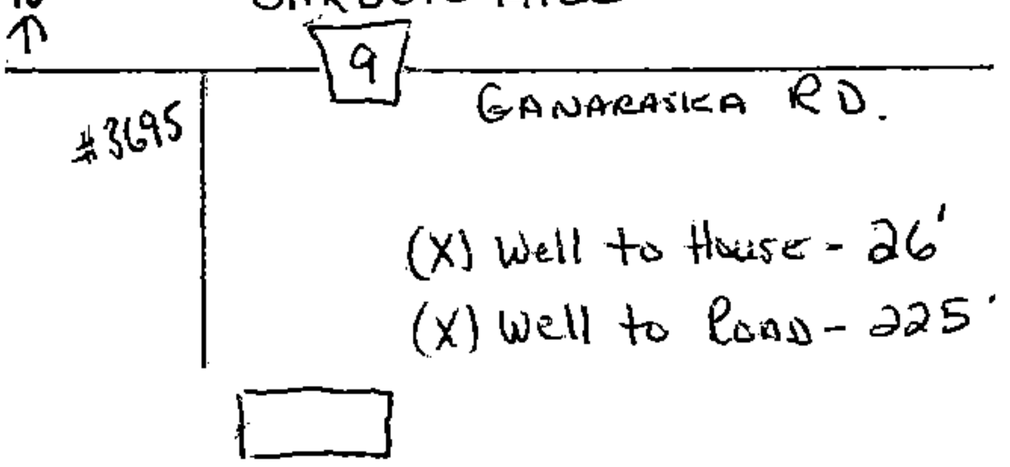
Well production (l/min / GPM): 7

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	26	60	34
1	29	1	31
2	31	2	29
3	32	3	28
4	32	4	27
5	33	5	27
10	34	10	26
15	34	15	26
20	34	20	26
25	34	25	26
30	34	30	26
40	34	40	26
50	34	50	26
60	34	60	26

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Robert Ruth Well Drilling Ltd	4635

Business Address (Street Number/Name)	Municipality
832 Wilson Line	CAVAN

Province	Postal Code	Business E-mail Address
ONT	L0A 1C0	—

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)
7057995348	RUTH, Bob

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T2912	[signature]	UNKNOWN

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2019 05 30	2019 03 26

Ministry Use Only

Audit No. Z299998

Received JAN 23 2020

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☒ Imperial

Well Ta [illegible] (Type or Print Below)

Tag#:A274575

Well Record

Regulation 903 Ontario Water Resources Act

[redacted]

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3798 GANARASKA RD	PORT HOPE	—	—

County/District/Municipality	City/Town/Village	Province	Postal Code
NORTHUMBERLAND	GARDEN HILL	Ontario	L0A 1B0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	709745	4881529	—	—

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
			TOP SOIL	0	2
BROWN	CLAY			2	14
GREY	SANDY	CLAY		14	69
GREY	GRAVEL	SAND	COARSE	69	74

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	22	BENTONITE	Ø

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
6	STEEL	188	0	74

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
6	STAINLESS STEEL	20	66	74

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify* _____
☐ Other, *specify* _____

Water Details

Water found at Depth (m/ft)	Kind of Water	
74	☐ Gas	☐ Fresh ☒ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*
	☐ Gas	☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	74	6 1/4

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason: Ø

Pump intake set at (m/ft): 72

Pumping rate (l/min / GPM): 5

Duration of pumping: 1 hrs + 00 min

Final water level end of pumping (m/ft): 49

If flowing give rate (l/min / GPM): Ø

Recommended pump depth (m/ft): 72

Recommended pump rate (l/min / GPM): 5

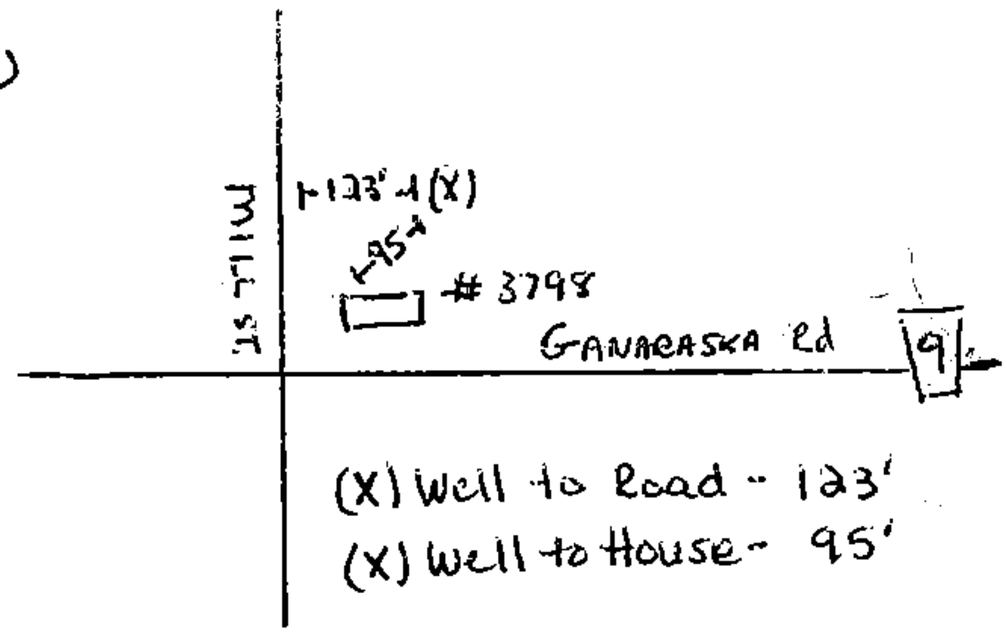
Well production (l/min / GPM): 7

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	25	60	49
1	29	1	48
2	31	2	43
3	33	3	41
4	35	4	39
5	37	5	37
10	42	10	31
15	45	15	29
20	46	20	27
25	47	25	26
30	48	30	25
40	48	40	25
50	49	50	25
60	49	60	25

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Robert Ruth Well Drilling Ltd	4635

Business Address (Street Number/Name)	Municipality
832 Wilson Line	CAVAN

Province	Postal Code	Business E-mail Address
ONT	L0A 1C0	—

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
705 799 5343	Whitnell, Dan

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
1866	[signature]	UNKNOWN

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2019 10 25	2019 09 10

Ministry Use Only

Audit No. Z317245

JAN 23 2020

Received

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag#: A184654 (low) — A184654

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	755104 Ontario Limited		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
1173 Fleetwood Rd.	Janetville	ON	L0B1K0	7053408212

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
no civic# Woodland Ave	Hope	15	9

County/District/Municipality	City/Town/Village	Province	Postal Code
Northumberland	Garden Hill	Ontario	L0A1B0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	17	708488	4881940	Sublot 3 Plan 9M732	

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brown	Sand			0	3
Brown	Sand	Clay	soft	3	17
Grey	Clay		hard	17	151
Grey	Gravel	Cobbles		151	152
Grey	Limestone		hard	152	168

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	20	Bentonite Grout	5

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, specify _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6¼	Steel	.188	+2	152
6⅛	Open Hole		152	168

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
152	☐	☒ Fresh ☒ Untested	☐
	☐	☐ Fresh ☐ Untested	☐
	☐	☐ Fresh ☐ Untested	☐

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	20	8¾
20	152	6⅝
152	168	6¼

Results of Well Yield Testing

After test of well yield, water was:
☒ Clear and sand free
☐ Other, specify _____

If pumping discontinued, give reason: /

Pump intake set at (m/ft): 160

Pumping rate (l/min / GPM): 4.5

Duration of pumping: 1 hrs + _____ min

Final water level end of pumping (m/ft): 97.3

If flowing give rate (l/min / GPM): /

Recommended pump depth (m/ft): 150

Recommended pump rate (l/min / GPM): 4

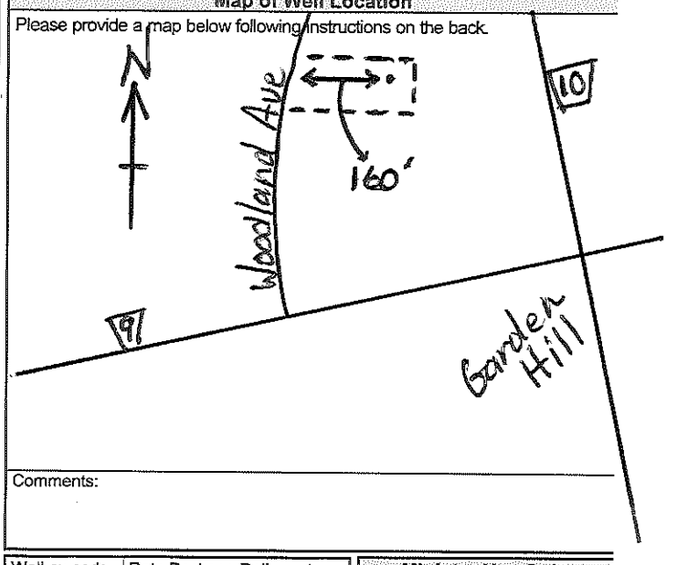
Well production (l/min / GPM): 4.5

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	27.0		
1	28.7	1	87.0
2	29.5	2	85.2
3	31.6	3	82.1
4	33.1	4	81.0
5	34.6	5	80.0
10	42.4	10	75.1
15	49.2	15	71.0
20	56.4	20	66.0
25	63.7	25	62.8
30	69.8	30	58.3
40	77.1	40	52.3
50	87.8	50	47.9
60	97.3	60	43.6

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Eades Well Drilling	7067

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
254 Blackbird Rd.	Lindsay	ON	K9V4R1	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
7053745480	Ted Franks	2631		Y Y Y Y M M D D

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: Y Y 1 6 0 9 1 1

Date Work Completed: Y Y 1 6 0 9 1 1

Ministry Use Only

Audit No. Z234074

Received OCT 21 2016

0506E (2014/11)

Ministry's Copy

7326753

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☐ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*: Tag#: A 208688

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

BELFRY CUSTOM CARPENTRY

Address of Well Location (Street Number/Name)	Township	Lot	Concession
Cty Rd 9 (Gammaraska Rd)	Hope	16	7
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
Northumberland	Garden Hill	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 / 17 / 708319 / 4881602			

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Brown	Sand	Clay		0	1.8
Grey	Clay		Wet, Dense	1.8	3.9
Grey	Clay	Silt	Wet, Soft	3.9	33.8
Grey	Clay	Gravel, Sand	Wet, Soft	33.8	42.7
Grey	Limestone		Fractured	42.7	46

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	6.1	Bentonite Holeplug	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☒ Other, specify: Dual Rotary

Well Use

☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
15	Steel	0.556	+0.6	43.4
15	Open Hole		43.4	46

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To

Status of Well

☒ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh / Untested / Other, specify
43.4	☐	☒ Fresh ☒ Untested
	☐	☐ Fresh ☐ Untested
	☐	☐ Fresh ☐ Untested

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	6.1	25
6.1	46	15

Results of Well Yield Testing

After test of well yield, water was: ☒ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft): 21.3

Pumping rate (l/min / GPM): 52.9

Duration of pumping: 2 hrs + ____ min

Final water level end of pumping (m/ft): 11.82

If flowing give rate (l/min / GPM):

Recommended pump depth (m/ft): 23

Recommended pump rate (l/min / GPM): 37.8

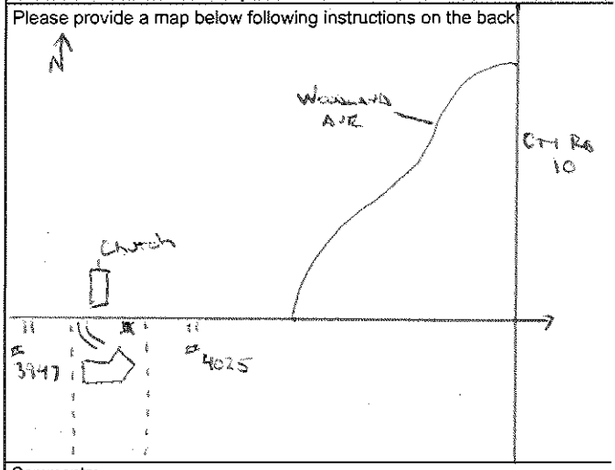
Well production (l/min / GPM): 190+

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Water Level (m/ft)	Recovery Time (min)	Water Level (m/ft)
Static Level	6.83		
1	8.00	1	10.68
2	8.42	2	10.43
3	8.78	3	10.22
4	8.98	4	10.04
5	9.05	5	9.88
10	9.53	10	9.46
15	9.82	15	9.10
20	10.09	20	8.76
25	10.34	25	8.44
30	10.50	30	8.14
40	10.72	40	7.56
50	10.90	50	7.01
60	11.03	60	6.87

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Aquatech Dewatering	7314
Business Address (Street Number/Name)	**Municipality**
331 Rodinea Rd	Vaughan
Province	**Postal Code**	**Business E-mail Address**
Ont	L6A4P5	info@aquatd.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
9059071700	Rochetta Michael
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3436		2018 09 19

Well owner's information package delivered: ☒ Yes ☐ No

Date Package Delivered: 2018 09 18

Date Work Completed: 2018 09 08

Ministry Use Only

Audit No. Z251653

Received JAN 24 2019

0506E (2014/11) Ministry's Copy

Appendix E

Conceptual Lot Layout

WRIGHT CRST

PORTER CRST

CALDWELL CRT

FROST AVE

18.25m ROAD WIDENING

15m WATERCOURSE SETBACK

AREA = 0.18ha

AREA = 0.37ha

AREA = 0.30ha

AREA = 1.57ha

AREA = 0.35ha

AREA = 0.05ha

AREA = 0.18ha

10m WOODLAND SETBACK

30m WATERCOURSE SETBACK

43m SETBACK FOR EROSION HAZARD LIMIT OF WATERCOURSE

6m OFFSET FROM REGIONAL LIMIT (TYP.)

6m STORM EASEMENT

EX. HYDRO EASEMENT

NORTH LANDS ALSO OWNED BY PROPONENT

LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 LOT 17 LOT 18 LOT 19 LOT 20 LOT 21 LOT 22 LOT 23 LOT 24 LOT 25 LOT 26 LOT 27 LOT 28 LOT 29 LOT 30 LOT 31 LOT 32 LOT 33 LOT 34 LOT 35 LOT 36 LOT 37 LOT 38 LOT 39 LOT 40 LOT 41 LOT 42 LOT 43 LOT 44

SWM BLOCK 3792m²

SWM BLOCK 3415m²

TEST WELL #1

TEST WELL #2 TO BE DE-COMMISSIONED

TEST WELL #3

TEST WELL #4

① GWT:3.00m

② GWT:1.20m

③ GWT:1.48m

④ GWT:1.40m

⑤ GWT:.60m

⑥ GWT:1.45m MW ELEV. 188.11m

⑦ GWT:1.50m MW ELEV. 181.11m

⑧ GWT:3.7m

⑨ GWT:2.1m

⑩ GWT:2.1m MW ELEV. 176.81m

REGIONAL FLOODLINE ELEV. 176.41m

100-YR FLOODLINE ELEV. 173.79m

MILL ST

WALKWAY

GANARASKA RD

JOHN ST

© 2022 Microsoft Corporation © 202

NOTES:

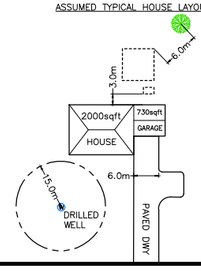
ZONING SETBACKS:

REAR YARD:	12m
FRONT YARD:	10m
EXT. YARD:	10m
INT. YARD:	3m

SEPTIC SETBACKS:

PROP LINE:	1m
FOUNDATION:	3m
WOODLAND:	6m
DRILLED WELL:	15m
DUG WELL:	30m

ASSUMED TYPICAL HOUSE LAYOUT



LEGEND

- PROPERTY BOUNDARY
- SIGNIFICANT WOODLAND AREA
- WOODLAND REMOVAL
- SWM BLOCK
- WETLAND COMPENSATION
- WETLAND VEGETATION PLANTING AREAS
- EXISTING WETLAND TO BE REMOVED
- WATERCOURSE
- WATERCOURSE SETBACK
- 100-YR FLOOD LIMIT
- REGIONAL FLOOD LIMIT
- BUILDING ENVELOPE
- 6m SETBACK FROM REGIONAL FLOOD LIMIT
- WETLAND BOUNDARY
- 15m WETLAND SETBACK
- 10m WOODLAND SETBACK
- EROSION HAZARD LIMIT
- EXISTING TEST WELL
- PROPOSED WELL
- VERNAL POOLS

NO.	DATE (D/M/Y)	REVISION	BY
–	–	–	–

NOT FOR CONSTRUCTION

MONUMENT GEOMATICS
MONUMENTGE.COM

NOTES:

NO. OF LOTS: 44
TOTAL LOT AREA: 169,326m² (16.93ha)
WOODLAND TO BE REMOVED: 1.62ha
WETLAND AREA TO BE REMOVED: 0.18ha
WETLAND COMPENSATION AREA: 0.35ha

MONUMENT PROJECT No.:	21-0135
DRAWN: P.Q.	
CHECKED: –	
ENGINEER: –	
DATE: 2022/03/10	
SCALES: HORZ. 1:2500	
SCALES: VERT.	

MISTRAL LAND DEVELOPMENTS

GARDEN HILL ESTATES
CONCEPTUAL
SERVICING PLAN

DRAWING No.

GS-01

0 30 60 Meters

C:\Users\Patrick Quinn\Monument Geomatics\E&D-Garden Hill - General\4-Design\1-CSP\C2022-21-0135MGE Concept 5.dwg