



Terra-Dynamics Consulting Inc.

432 Niagara Street, Unit 2 St. Catharines, ON L2M 4W3

November 11, 2024

Whitechurch Landowners Group Inc.
Attn: Helen Mihailidi
7501 Keele Street, Suite 200
Vaughan, ON L4K 1Y2

sent via email: mjohnston@urbansolutions.info

Re: White Church Road Boundary Expansion, Overburden Thickness Study, Glanbrook (Hamilton), ON

Dear Ms. Mihailidi,

1.0 Introduction and Background Information

Terra-Dynamics Consultants Inc. (Terra-Dynamics) respectfully submits this letter report to address agency review comments requesting a Karst Assessment/Karst Contingency Plan as part of the studies required for approval of a 364.4 hectare boundary expansion in Glanbrook, Ontario (Figures 1 and 2). The land is intended for the development of a community that will include residential areas, institutional facilities, commercial spaces and parks/open spaces. The land currently features a golf course and several rural homes, with its primary use being agriculture.

2.0 Study Approach

A total of 67 Ministry of the Environment, Conservation & Parks (MECP) water well records were reviewed for the subject lands and their immediate vicinity. The water well records are part of a MECP database. Water well records for the subject lands, as well as for properties east, south, west and north of the proposed boundary expansion, have been reviewed. Information pertaining to the thickness of the overburden was evaluated. All 67 water well records were used to assess overburden thickness (Table 1 and Appendix 1).

3.0 Geologic Setting

The proposed urban expansion is located on a thick deposit of glacial overburden and is within the Haldimand Clay Plain physiographic region (Chapman and Putnam, 1984). The surficial geology of the site is primarily glaciolacustrine clay and silt with minor amounts of sand and gravel (Ontario Geological Survey, (OGS), 2003) (Figure 3). The crest of the Fort Erie Moraine crosses through the study area approximately in a northwest to southeast direction (Feenstra, 1975). This crest acts as a flow divide for southwest flowing streams that are tributaries of the Welland River and northeast flowing streams that are tributaries of Twenty Mile Creek. There are no quarries that would be indicative of bedrock close to surface and in 1954, the area was predominantly used for agricultural purposes (Figure 4).

The average overburden thickness of the 67 water well records evaluated as part of this study was approximately 30.5 m (Table 1). The locations of the water well records around the perimeter and within the subject lands are shown on Figure 5. Overburden thickness across the study area is shown in cross-section on Figures 6 and 7. The underlying bedrock consists of the Silurian aged Guelph Formation, a sequence of massive-bedded, fine to medium crystalline, thick-bedded, soft, porous dolostone (OGS, 1984).

4.0 Summary

It is the undersigned's professional opinion that the glacial overburden is too thick for karst hazards to be present on the subject lands. As is referenced in the Buck et al (2003) report, there was no sinkhole or soil pipe development within the Eramosa Karst Conservation Area (which is an Earth Science area of Natural Scientific Interest) in Stoney Creek at clay overburden depths greater than 2.8m. Hence, based on a review of available subsurface information in this study area, the glacial overburden is significantly deeper than 2.8m with an average depth of approximately 30.5m.

We trust this information is sufficient for your present needs. Please do not hesitate to contact me if there are any questions.

TERRA-DYNAMICS CONSULTING INC.



David D. Slaine, M.Sc., P. Geo.
Principal Hydrogeologist



Attachments

- Table 1. Summary of Overburden Depths for MECP Water Well Records in the Vicinity of the Site
- Figure 1. Location of Subject Lands
- Figure 2. 1973 Topographic Map
- Figure 3. Quaternary Geology Map
- Figure 4. 1954 Aerial Photograph
- Figure 5. MECP Water Well Record Locations
- Figure 6. Cross-section A-A' and B-B'
- Figure 7. Cross-section C-C' and D-D'

- Appendix 1. Ministry of the Environment, Conservations & Parks Water Well Records Used in This Study
- Appendix 2. Photographs

5.0 References

- Buck, M., Worthington, S.R.H. and D.C. Ford. 2003. Evaluation of the Eramosa Karst in Stoney Creek, Ontario as a Candidate for an Earth Science Area of Natural Scientific Interest. Prepared for the Ontario Ministry of Natural Resources and the Region of Hamilton-Wentworth, 55 p.
- Feenstra, B.H. 1975. Quaternary Geology, Grimsby Area. Preliminary Map P.993, Geologic Series. Ontario Division of Mines.

Whitechurch Landowners Group Inc.

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Page 3

Ontario Geological Survey (OGS), 1984. Aggregate Resources Inventory of the Regional Municipality of Hamilton-Wentworth Southern Ontario.

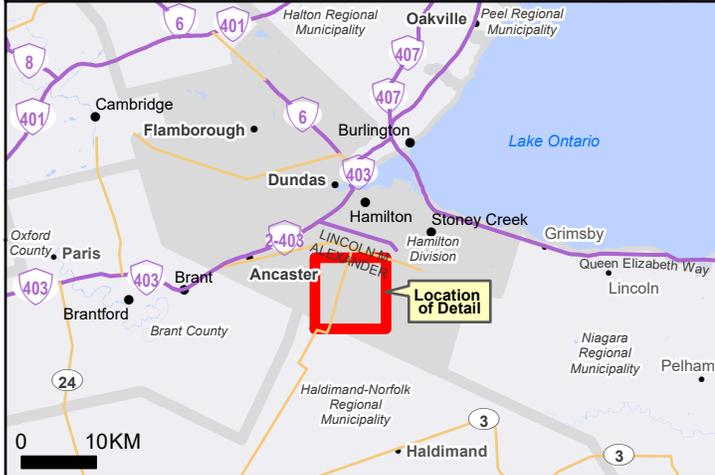
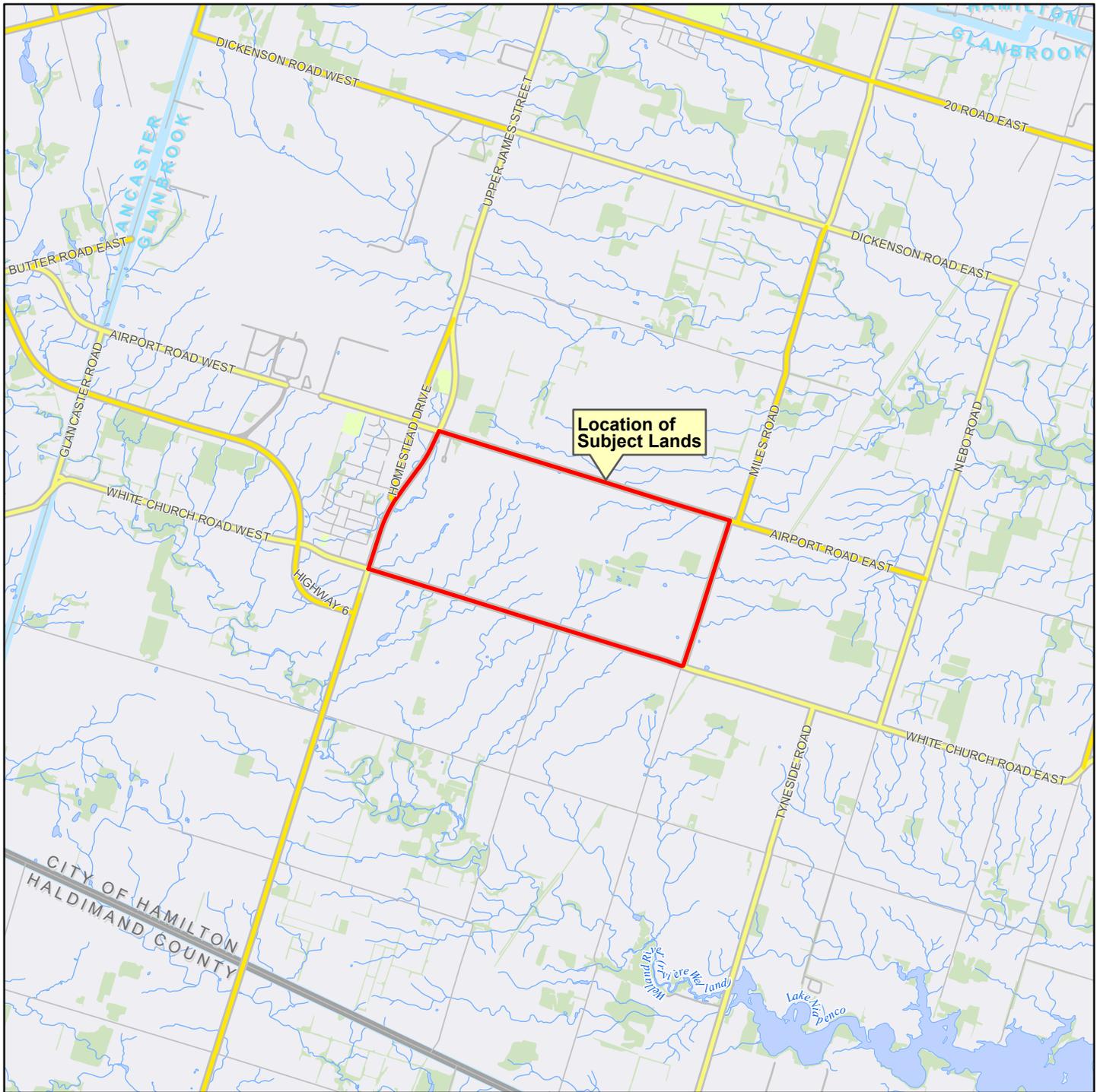
Ontario Geological Survey (OGS), 2003. Surficial geology of southern Ontario. Miscellaneous Release Data – 128. Project Summary and Technical Document, 53 pp.

**Table 1. Summary of Overburden Depths for MECP Water Well Records
in the Vicinity of the Site**

| ID | MECP Well Record ID | MECP Well Tag ID | Overburden Type | Depth of Overburden (m) | Well Depth (m) |
|-----------|----------------------------|-------------------------|--------------------------|--------------------------------|-----------------------|
| 1 | 6804066 | NA | Clay | 28.3 | 32.9 |
| 2 | 6804068 | NA | Clay | 33.5 | 34.1 |
| 3 | 6804069 | NA | Clay, Silty Clay | 31.7 | 32.9 |
| 4 | 6804071 | NA | Clay | 36.0 | 36.6 |
| 5 | 6804072 | NA | Clay, Sand | 33.5 | 34.1 |
| 6 | 6804073 | NA | Clay, Sand | 34.4 | 37.8 |
| 7 | 6804074 | NA | Clay, Sand | 33.2 | 36.6 |
| 8 | 6803950 | NA | Clay | 33.8 | 34.4 |
| 9 | 6804013 | NA | Clay, Sandy Clay | 31.7 | 33.2 |
| 10 | 6804026 | NA | Clay, Sandy Clay | 31.7 | 33.2 |
| 11 | 6804044 | NA | Clay, Sand | 30.5 | 31.4 |
| 12 | 6804064 | NA | Clay | 30.5 | 36.6 |
| 13 | 6804065 | NA | Clay | 29.3 | 35.1 |
| 14 | 6804075 | NA | Clay, Sand, Gravel | 34.1 | 58.2 |
| 15 | 6804076 | NA | Clay, Silt, Sand, Gravel | 31.1 | 32.0 |
| 16 | 6804077 | NA | Clay, Sand | 33.5 | 36.9 |
| 17 | 6804078 | NA | Clay | 36.9 | 40.5 |
| 18 | 6804079 | NA | Clay, Sandy Clay | 36.0 | 37.8 |
| 19 | 6804080 | NA | Clay | 24.4 | 25.6 |
| 20 | 6804086 | NA | Clay, Silty Clay | 28.3 | 30.5 |
| 21 | 6804087 | NA | Clay, Sandy Clay | 27.1 | 30.5 |
| 22 | 6804089 | NA | Clay, Sand | 27.4 | 29.9 |
| 23 | 6804090 | NA | Clay | 27.7 | 34.4 |
| 24 | 6804091 | NA | Clay | 28.3 | 33.5 |
| 25 | 6804094 | NA | Clay | 27.4 | 39.6 |
| 26 | 6804151 | NA | Clay, Sand , Gravel | 30.5 | 36.6 |
| 27 | 6804152 | NA | Clay, Sandy Clay | 32.9 | 36.0 |
| 28 | 6804154 | NA | Clay, Sandy Clay | 21.3 | 22.9 |
| 29 | 6806911 | NA | Clay | 29.0 | 31.1 |
| 30 | 6806912 | NA | Clay | 32.9 | 36.6 |
| 31 | 6806915 | NA | Clay | 32.0 | 32.3 |
| 32 | 6807153 | NA | Clay | 28.7 | 30.5 |
| 33 | 6807395 | NA | Clay, Sand | 29.3 | 42.7 |
| 34 | 6807848 | NA | Clay | 25.9 | 30.5 |
| 35 | 6807880 | NA | Clay | 30.5 | 30.8 |
| 36 | 6808170 | NA | Clay | 33.5 | 34.1 |

| ID | MECP Well Record ID | MECP Well Tag ID | Overburden Type | Depth of Overburden (m) | Well Depth (m) |
|------------|---------------------|------------------|--------------------------|-------------------------|----------------|
| 37 | 6808175 | NA | Clay | 37.8 | 42.1 |
| 38 | 6808435 | NA | Clay, Boulders, Gravel | 35.1 | 38.4 |
| 39 | 6809305 | NA | Clay | 28.7 | 33.5 |
| 40 | 6809329 | NA | Clay | 30.8 | 32.3 |
| 41 | 6809521 | NA | Clay | 32.6 | 75.3 |
| 42 | 6809560 | NA | Clay | 32.9 | 33.2 |
| 43 | 6809565 | NA | Clay | 32.6 | 32.9 |
| 44 | 6809566 | NA | Clay | 33.5 | 35.1 |
| 45 | 6809577 | NA | Clay | 32.9 | 33.5 |
| 46 | 6810237 | NA | Clay | 27.1 | 29.3 |
| 47 | 6810238 | NA | Clay | 27.1 | 30.2 |
| 48 | 6810239 | NA | Clay | 26.8 | 27.4 |
| 49 | 6810369 | NA | Clay | 29.0 | 40.2 |
| 50 | 6810803 | NA | Clay | 32.9 | 35.1 |
| 51 | 6811170 | NA | Clay | 28.7 | 31.4 |
| 52 | 6811293 | NA | Clay | 30.8 | 32.0 |
| 53 | 6811407 | NA | Clay | 31.1 | 33.5 |
| 54 | 6811472 | NA | Clay | 36.0 | 36.6 |
| 55 | 6811559 | NA | Clay | 30.5 | 31.7 |
| 56 | 6811750 | NA | Clay | 24.7 | 33.8 |
| 57 | 6812252 | NA | Clay, Silty Clay, Gravel | 30.8 | 36.0 |
| 58 | 6812313 | NA | Clay | 26.8 | 28.0 |
| 59 | 6812575 | NA | Clay | 28.7 | 33.5 |
| 60 | 6812613 | NA | Clay, Sandy Clay | 29.9 | 30.5 |
| 61 | 6812646 | NA | Clay | 30.5 | 39.6 |
| 62 | 6812846 | NA | Clay, Sand | 32.0 | 33.5 |
| 63 | 6812866 | NA | Clay | 24.7 | 32.0 |
| 64 | 6812962 | NA | Clay, Sandy Clay | 25.6 | 27.4 |
| 65 | 6813175 | NA | Clay | 28.7 | 29.9 |
| 66 | 6814029 | A008219 | Clay | 31.1 | 32.0 |
| 67 | 6814590 | A034337 | Clay | 27.4 | 36.6 |
| AVG | | | | 30.5 | |

Notes: See Figure 5 for Well Record ID Locations; AVG = Average



Location of Subject Lands

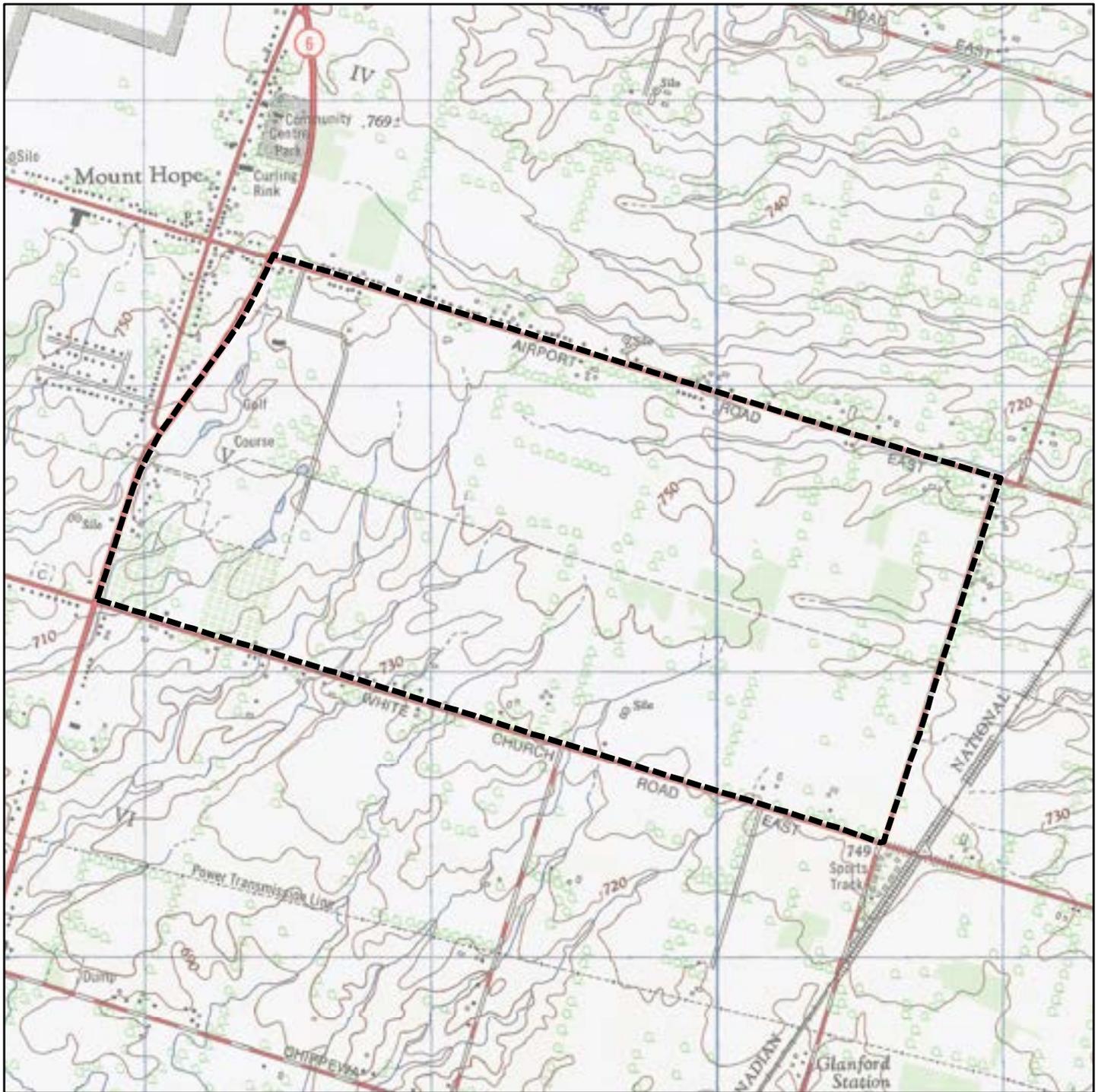
Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.



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Figure 1



 Subject Land

1973 Topographic Map

Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.

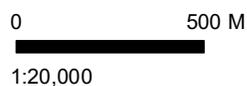
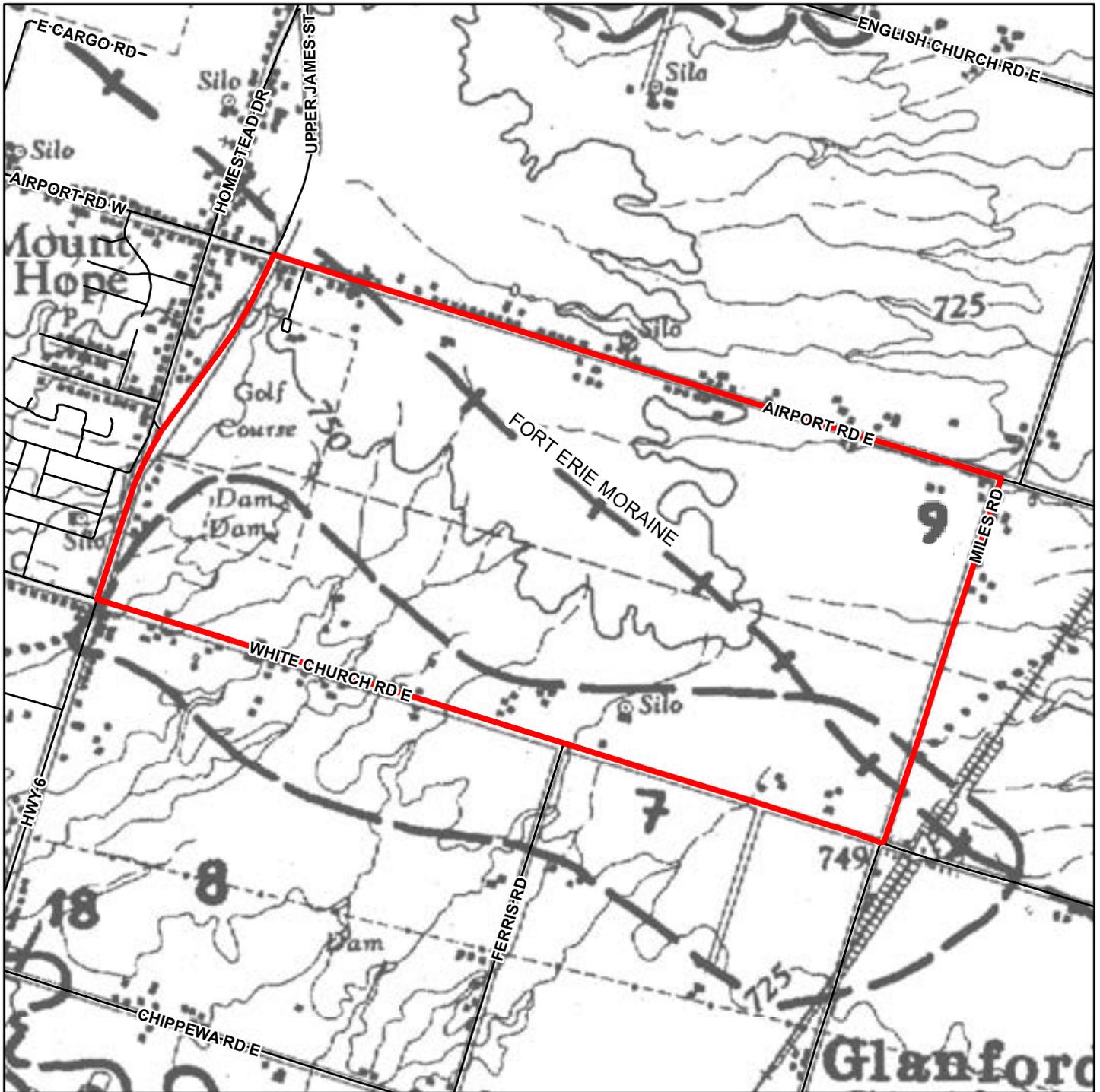


Figure 2

Source: Ontario Topographic Maps 1:25,000 Sheets 30M_04e 1973.



 Subject Land

Quaternary Geology

Pleistocene Late Wisconsinan

 Halton Till: Clayey Silt-clay Till

 Glaciolacustrine Clay and Silt

 Glaciolacustrine Silt

Cenozoic Quaternary Recent

 Stream Deposits: Predominantly Clay and Silt, Some Sand and Gravel

 Geological Boundary

 Moraine Crest

Source: Quaternary Geology NTS 30M4, Grimsby Area Map P993 1975.

Quaternary Geology Map

Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.



Terra-Dynamics Consulting Inc.

0 500 M

1:20,000

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Figure 3



 Subject Land

1954 Aerial Photograph

Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.



0 500 M

1:20,000



Figure 4

Source: McMaster University Library, Map Collections.



-  Subject Lands
-  Cross-section Location
-  Well Record Location

Well Record Locations

Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.



0 500 M

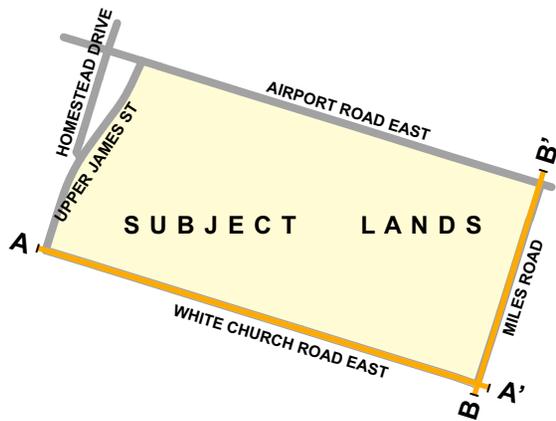
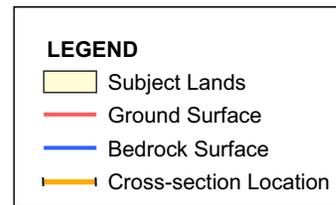
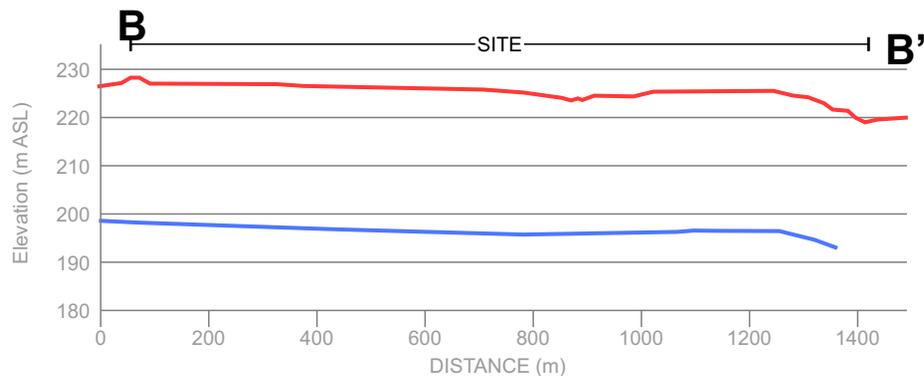
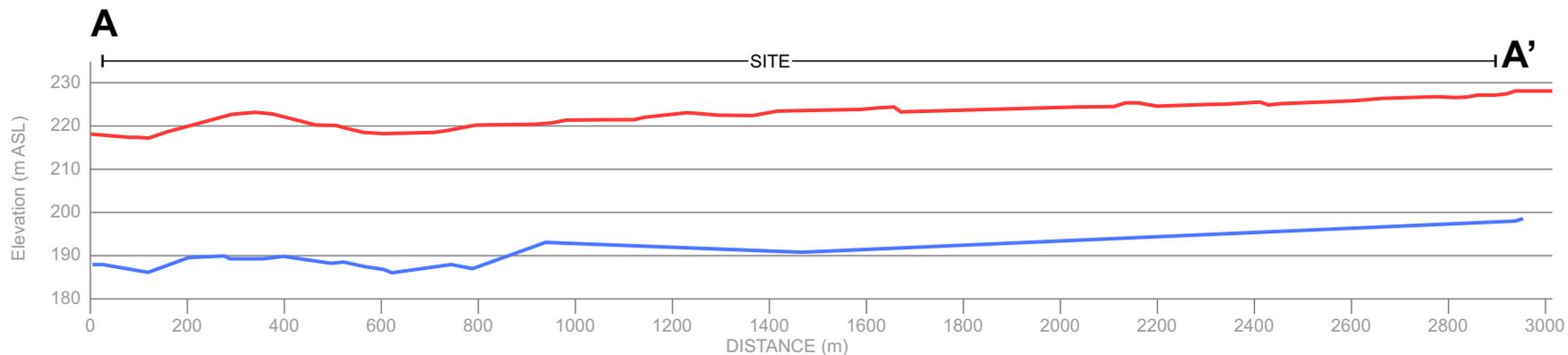


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Figure 5

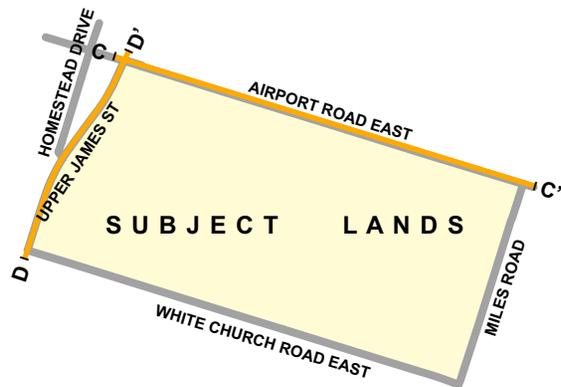
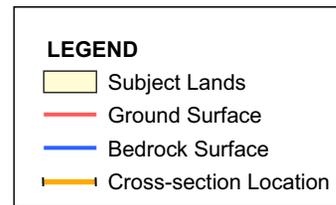
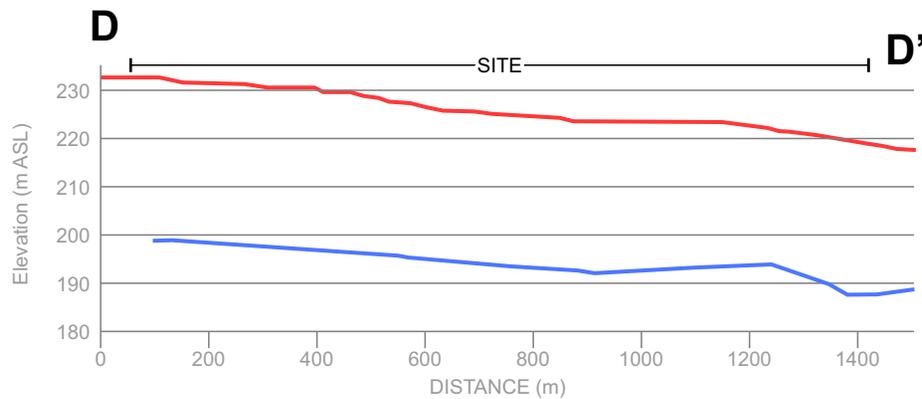
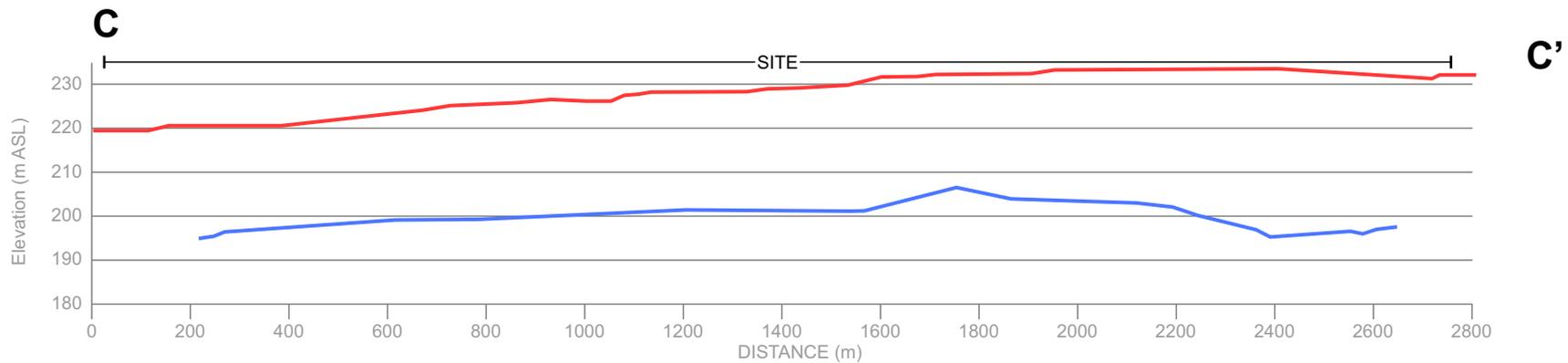


Cross-section A-A' and B-B'

Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.



Figure 6



Cross-section C-C' and D-D'

Karst Overburden Thickness Report
 White Church Road, Hamilton, ON
 Urban Solutions Planning and
 Land Development Consultants Inc.



Figure 7

Appendix 1

Ministry of the Environment, Conservation & Parks Water Well Records Used in This Study

Appendix 1A

Ministry of the Environment, Conservation & Parks Water Well Records along Cross-Section A-A'

NTM 2 E
5 R N
 Elev. 4 R 0717
 Basin 24



GROUND WATER BRANCH
 68 No. 4044
 JUL 6 1960
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District WENTWORTH Township, Village, Town or City CLANFORD
 Date completed 11 JUNE 1960
 (day month year)
 Address ANCASTER

Casing and Screen Record

Inside diameter of casing 6 1/4
 Total length of casing 100
 Type of screen -
 Length of screen -
 Depth to top of screen -
 Diameter of finished hole 6 1/4

Pumping Test

Static level 40
 Test-pumping rate 10 G.P.M.
 Pumping level 50
 Duration of test pumping 2 HR
 Water clear or cloudy at end of test CLEAR
 Recommended pumping rate 10 G.P.M.
 with pumping level of 50

Well Log

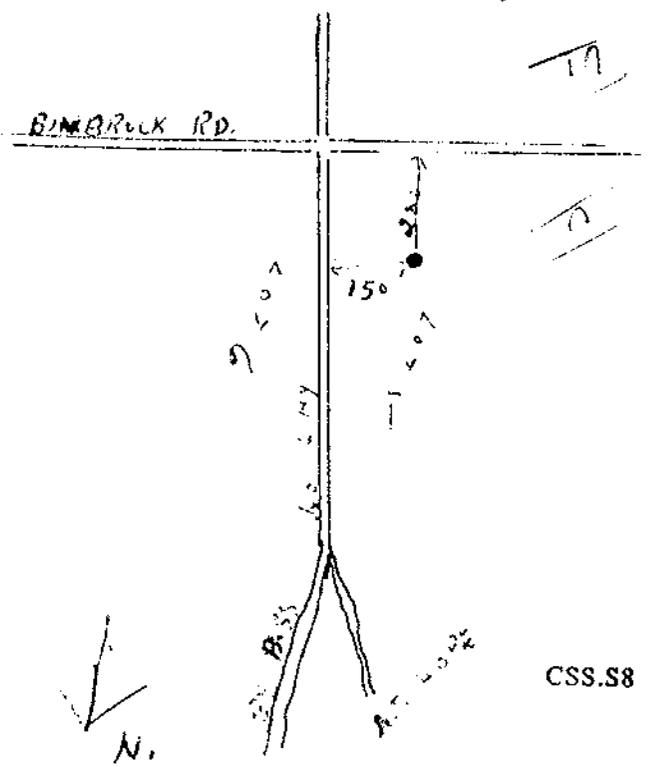
Water Record

| 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, sulphur) |
|-------------------------------|------------|------------|----------------------------------|-------------------------|---------------------------------------|
| <u>CLAY</u> | <u>0</u> | <u>30</u> | | | |
| <u>QUICK SAND</u> | <u>30</u> | <u>100</u> | | | |
| <u>LIME STONE</u> | <u>100</u> | <u>103</u> | | | |
| | | | <u>103</u> | <u>63</u> | <u>FRESH</u> |
| <u>GARAGE NOT COMPLETED</u> | | | | | |
| <u>SEPT 12/60</u> | | | | | |
| <u>NO ONE WORKING</u> | | | | | |

For what purpose(s) is the water to be used?
SERVICE STATION
 Is well on upland, in valley, or on hillside?
UPLAND
 Drilling Firm CROSS BROS
 Address RYCKMAN'S CORNER
 Licence Number _____
 Name of Driller ARTHUR CROSS
 Address RYCKMAN'S CORNER
 Date JUNE 28/60
Howard Cross
 (Signature of Licensed Drilling Contractor)

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 7 E
9 R N 4
 Elev. 98 R 0720
 Basin 24



ONTARIO

The Water-well Drillers Act, 1954
 Department of Mines

RECEIVED
 1955 68 No
 GEOLOGICAL BRANCH
 DEPARTMENT OF MINES

No

~~4064~~

Water-Well Record

County or Territorial District Kentworth Township, Village, Town or City Glanford
 Village, Town or City W.C. Hope
 Address W.C. Hope
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

| | |
|---|--|
| Casing diameter(s) <u>5 5/8" 6 1/4"</u> Length(s) <u>10'</u> Type of screen Length of screen | Static level <u>35'</u> Pumping rate <u>5 gal per min</u> Pumping level <u>40'</u> Duration of test <u>1/2 hour</u> |
|---|--|

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) |
|-------------------------------|------------|------------|------------------------------------|-------------------------|--|
| <u>loam clay</u> | | | | | |
| <u>limestone rock</u> | <u>100</u> | <u>120</u> | <u>10 - 20</u> | <u>85</u> | <u>fresh</u> |
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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 Howard Cross
 Address Ryeiman Car
 Name of Driller D. Fisher
 Address Ryeiman Car
 Licence Number.....
 I certify that the foregoing statements of fact are true.
 Date Howard Cross
 Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

UTM 12 E
5 R N
 Elev. 4 0 7 2 0
 Lot 6
 Basin 2 4



WATER RESOURCES
 DIVISION
 68 No. 4076
 OCT 14 1964
 ONTARIO WATER
 RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Wentworth Township, Village, Town or City Glandford
 Con. 60 Lot 56 Date completed 16 Sept. 1964
 (day month year)
 Address Blossom Lane Hamilton

Casing and Screen Record

Inside diameter of casing 6 1/4"
 Total length of casing 103' 6"
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 6 1/4"

Pumping Test

Static level 35 ft
 Test-pumping rate 10 G.P.M.
 Pumping level 80 ft
 Duration of test pumping 1 hour
 Water clear or cloudy at end of test clear
 Recommended pumping rate 5 G.P.M.
 with pump setting of 90 feet below ground surface

Well Log

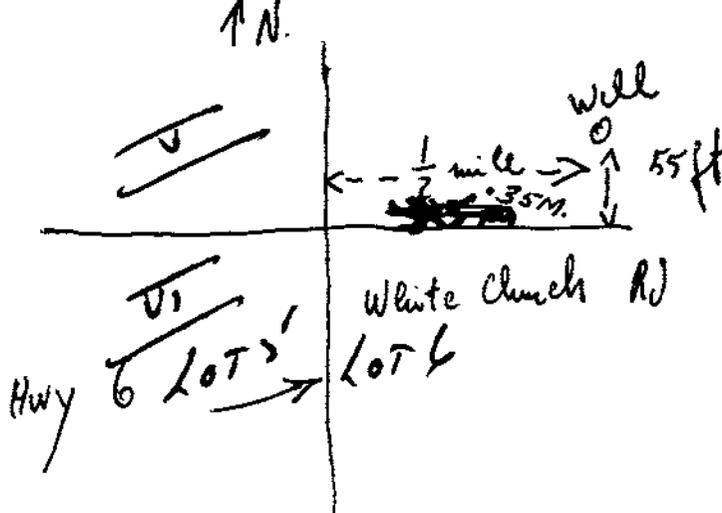
Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-------------------------------|------------|------------|----------------------------------|---------------------------------------|
| <u>Brown clay</u> | <u>0</u> | <u>20</u> | | |
| <u>Blue clay</u> | <u>20</u> | <u>40</u> | | |
| <u>Grey sandy clay</u> | <u>40</u> | <u>80</u> | | |
| <u>silt</u> | <u>80</u> | <u>101</u> | | |
| <u>Grey gravel</u> | <u>101</u> | <u>102</u> | | |
| <u>Grey rock</u> | <u>102</u> | <u>105</u> | <u>102-105</u> | <u>fresh</u> |

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 S. GILL
 Address 55 Alpine Ave
Hamilton
 Licence Number
 Name of Driller or Borer J. Marlowski
 Address 805 upper Bage Ave
 Date 7. 10. 1964
 (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.



UTM 7 E
9 R 3 N
 Elev 94 R 0715
 Basin 24



68 N^o 4151

The Well Drillers Act
 Department of Mines, Province of Ontario

Water Well Record

County or District Wentworth Tp. Glaxford Con. 6 Lot 6 Pt. Lot
 Owner [Redacted] Address Mount Hope Acres
 Date Completed May 13, 1947 Cost of Well (not including pump)

Pipe and Casing Record

Pumping Test

| | |
|------------------------------------|---|
| Casing diameter(s) <u>5 1/2"</u> | Date |
| Length(s) of casing(s) <u>100'</u> | Developed Capacity |
| Length of screen | Duration of Test |
| Type of screen | Pumping Rate |
| Type of pump | Drawdown |
| Capacity of pump | Static level of completed well <u>20'</u> |
| Depth of pump setting | Is well a gravel-wall type? |

Water Record

| Kind (fresh or mineral) | Depth(s) to Water Horizon(s) | Kind of Water | No. of Feet Water Rises |
|--|------------------------------|---------------|-------------------------|
| <u>fresh</u> | | | |
| Quality (hard, soft, contains iron, sulphur etc.) | | | |
| Appearance (clear, cloudy, coloured) | | | |
| For what purpose(s) is the water to be used? <u>house</u> | | | |
| How far is well from possible source of contamination? | | | |
| What is source of contamination? | | | |
| Enclose a copy of any mineral analysis that has been made of water | | | |

Well Log

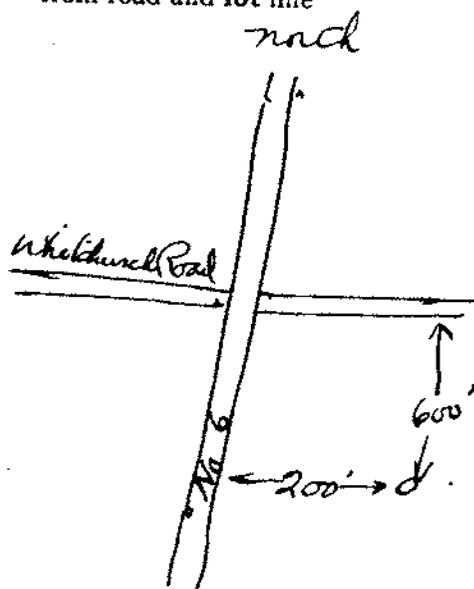
Drift and Bedrock Record

| From | To |
|-------|--------|
| 0 ft. | 20 ft. |
| 20 | 100 |
| 100 | 120 |

clay
quartz sand
rock

Location of Well

In diagram below show distances of well from road and lot line



Situation: Is well on upland, in valley, or on hillside?
 Drilling Firm D. Ashbaugh
 Address Hamilton
 Recorded by _____ Address _____
 Date _____ Licence Number _____



WATER WELL RECORD

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11

6807880

MUNICIP.

68007

CON.

CON

105

| | | | |
|---|---|--|-------------------|
| COUNTY OR DISTRICT WENTWORTH | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANFORD | CON., BLOCK, TRACT, SURVEY, ETC. V | LOT 109 |
| OWNER (SIGNATURE FIRST) [REDACTED] | | DATE COMPLETED DAY 24 MO. AUG YR. 71 | |
| ADDRESS RR 2 RT. Hope KENNEDY AVE. HAMILTON | GRID REFERENCE ELEVATION 1074.0 | BASIN CODE 4 124 | |

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| BROWN | CLAY | | | 0 | 15 |
| GREY | CLAY | | | 15 | 100 |
| | | LIME STONE | | 100 | 101 |

| | | | |
|----|--------|--------|--------|
| 31 | 001515 | 010025 | 010115 |
| 32 | | | |

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

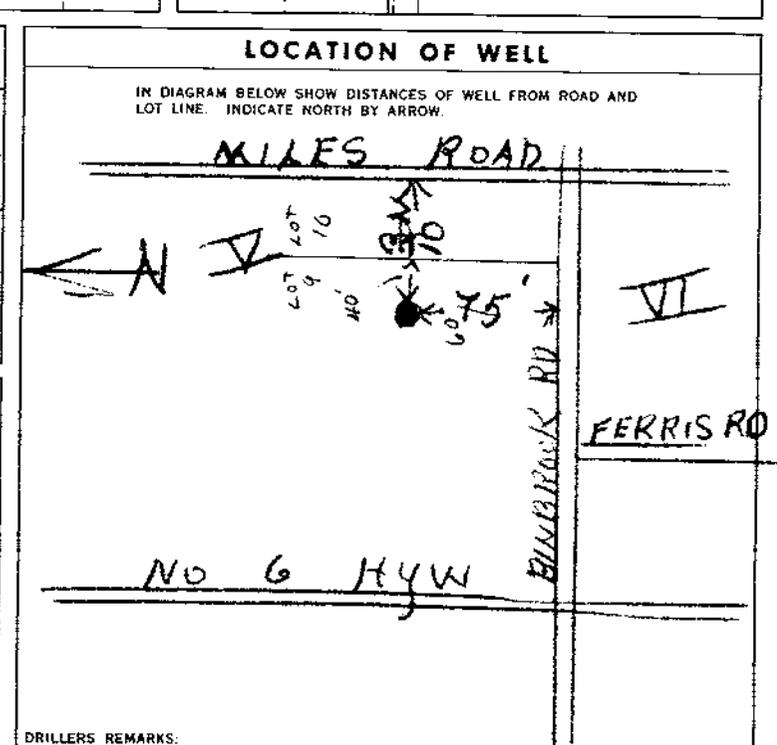
| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|--------|
| 10-11 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 188 | FROM 0 | TO 100 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 100 | 101 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | 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 <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER | PUMPING RATE 0020 GPM | DURATION OF PUMPING 01 HOURS 00 MINS |
| STATIC LEVEL 048 FEET | WATER LEVEL END OF PUMPING 080 FEET | WATER LEVELS DURING PUMPING 15 MINUTES: 060 FEET 30 MINUTES: 048 FEET 45 MINUTES: 048 FEET 60 MINUTES: 048 FEET |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 090 FEET | RECOMMENDED PUMPING RATE 0015 GPM |



FINAL STATUS OF WELL

| | |
|--|---|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL | 6 <input type="checkbox"/> ABANDONED, POOR QUALITY |
| 3 <input type="checkbox"/> TEST HOLE | 7 <input type="checkbox"/> UNFINISHED |
| 4 <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|--|--|
| 1 <input checked="" type="checkbox"/> DOMESTIC | 5 <input type="checkbox"/> COMMERCIAL |
| 2 <input type="checkbox"/> STOCK | 6 <input type="checkbox"/> MUNICIPAL |
| 3 <input type="checkbox"/> IRRIGATION | 7 <input type="checkbox"/> PUBLIC SUPPLY |
| 4 <input type="checkbox"/> INDUSTRIAL | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| 9 <input type="checkbox"/> OTHER | 9 <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|------------------------------------|
| 1 <input checked="" type="checkbox"/> CABLE TOOL | 6 <input type="checkbox"/> BORING |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |
| 3 <input type="checkbox"/> ROTARY (REVERSE) | 8 <input type="checkbox"/> JETTING |
| 4 <input type="checkbox"/> ROTARY (AIR) | 9 <input type="checkbox"/> DRIVING |
| 5 <input type="checkbox"/> AIR PERCUSSION | |

| | |
|---|---|
| NAME OF WELL CONTRACTOR CROSS BROS. | LICENCE NUMBER 1620 |
| ADDRESS 38 KENNEDY AVE. HAMILTON | |
| NAME OF DRILLER OR BORER ARTHUR CROSS | LICENCE NUMBER 1620 |
| SIGNATURE OF CONTRACTOR Howard Cross | SUBMISSION DATE DAY 24 MO. AUG YR. 71 |

| | | |
|--|---------------------------|--------------------------------|
| DATA SOURCE | CONTRACTOR 1620 | DATE RECEIVED 230971 |
| DATE OF INSPECTION 29. 8. 72 | INSPECTOR | |
| REMARKS | | |



WATER WELL RECORD

30 M/4E

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT: **WENTWORTH** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **GLANTFORD** CON. BLOCK, TRACT, SURVEY, ETC.: **U** LOT: 25-27

OWNER (SURNAME, FIRST): **[REDACTED]** ADDRESS: **MT. HOPE 2 CALLEDONIA** DATE COMPLETED: **007**

PHONE: **777040** ELEVATION: **1320** BASIN CODE: **5 24**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 1 |
| BROWN | CLAY | | | 1 | 28 |
| W/CL | CLAY | | | 28 | 110 |
| GRY | SHALE ROCK | | | 110 | 112 |

31 **0000 02** 32 **0000 05** 33 **0000 05** 34 **0000 05** 35 **0000 05** 36 **0000 05** 37 **0000 05** 38 **0000 05** 39 **0000 05** 40 **0000 05**

41 WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER |
|---------------------|---|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|--------------|
| 17-18 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1 1/8 | 0 0110 |
| 24-25 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 110 0112 |

SCREEN

| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-------------------------------|----------|--------|
| | | |

MATERIAL AND TYPE: _____ INCHES DEPTH TO TOP OF SCREEN: _____ FEET

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT, LEAD PACKER, ETC. |
|---------------------|-------------------|---------------------------------|
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | 80 |

71 PUMPING TEST

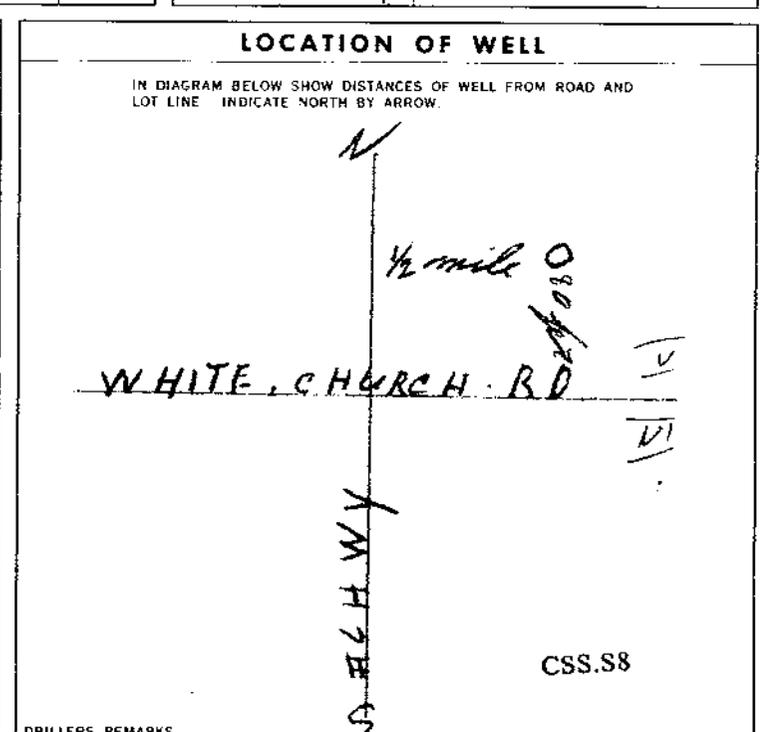
1 PUMP 2 BAILER 10 PUMPING RATE: **0010** GPM 11 DURATION OF PUMPING: 15-16 HOURS: **00** MINS.

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING |
|--------------|----------------------------|---|
| 19-21 | 22-24 | 15 MINUTES: 045 30 MINUTES: 055 45 MINUTES: 045 60 MINUTES: 045 |

17 FLOWING GIVE RATE: _____ GPM 38-41 PUMP INTAKE SET AT: _____ FEET 42 WATER AT END OF TEST: _____ FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP 43-45 RECOMMENDED PUMP SETTING: **100** FEET 46-49 RECOMMENDED PUMPING CAPACITY: **0004** GPM

50-53 **060.2** GPM/FT. SPECIFIC CAPACITY



FINAL STATUS OF WELL

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

WATER USE

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

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: **[Signature]** LICENCE NUMBER: **2803**

ADDRESS: **[Signature]**

NAME OF DRILLER OR BORER: **[Signature]** LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: **[Signature]** SUBMISSION DATE: DAY **23** MO **8** YR **72**

OFFICE/USE ONLY

DATA SOURCE: **1** CONTRACTOR: **2803** DATE RECEIVED: **170872**

DATE OF INSPECTION: **5, 4, 73** INSPECTOR: _____

REMARKS: _____

P **7**
WI **7**



ONTARIO

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

30 M/4E

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

11 6808435 68007 1006 05

COUNTY OR DISTRICT: **Wentworth** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Glanford** BLOCK TRACT, SURVEY, ETC: **V I** LOT: **006**

Pinbrook Ont. DATE COMPLETED: DAY **19** MONTH **JAN** YEAR **73**

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| Brown | Clay | | packed | 0. | 34 |
| Grey | Clay | Boulders | Soft | 34. | 95 |
| Grey | clay | Gravel | Hard | 95. | 115 |
| Grey | limestone | | Layered | 115. | 126 |

31 1034695 009520513 011520511 0120215

32

41 WATER RECORD

WATER FOUND AT FEET: **125**

KIND OF WATER: FRESH SALTY

15-18 19-20 20-24 25-28 30-33

51 CASING & OPEN HOLE RECORD

1-11 12-16 17-18 19-20 21-25 26-30

MATERIAL: STEEL GALVANIZED CONCRETE OPEN HOLE

DEPTH - FEET: FROM 0 TO 115

SCREEN

31-33 DIAMETER: 4 34-38 LENGTH: 115

MATERIAL AND TYPE: **1 1/2" 18#**

61 PLUGGING & SEALING RECORD

DEPTH SET AT FEET: FROM 115 TO 126

MATERIAL AND TYPE: **115 0126**

71 PUMPING TEST

1 PUMP 2 BAILER

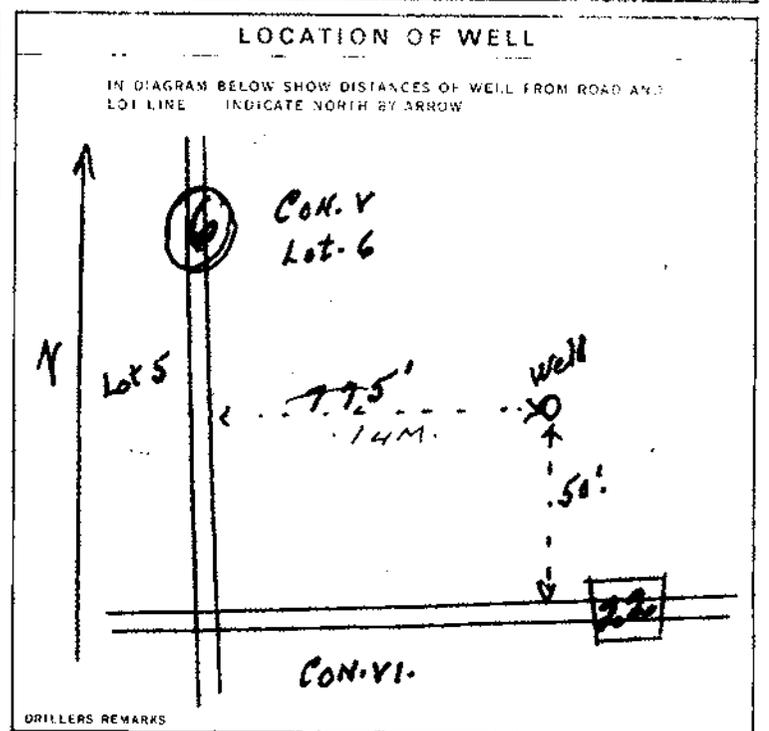
STATS: 19-21 22-24 25-27 28-30 31-33

050 050 050 050 050

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **115** FEET

RECOMMENDED PUMPING RATE: **0003** GPM



FINAL STATUS OF WELL: WATER SUPPLY

WATER USE: DOMESTIC

METHOD OF DRILLING: CABLE TOOL

CONTRACTOR: **Frank Merritt** LICENCE NUMBER: **3608**

ADDRESS: **801 Smithville, Ont.**

NAME OF DRILLER OR BORER: **Same**

SIGNATURE OF CONTRACTOR: **Frank Merritt** SUBMISSION DATE: DAY **25** MONTH **JAN** YEAR **73**

OFFICE USE ONLY

CONTRACTOR: **3608** DATE RECEIVED: **290573**

DATE OF INSPECTION: **13.12.72**

REMARKS: **CSS.S8 P 7 WI 7**



WATER WELL RECORD

30m/4e

Ontario

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

6809521

MUNICIPALITY 68.007

CORPORATION CAN.

05

COUNTY OR DISTRICT: Wentworth TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Shanford CON. BLOCK, TRACT, SURVEY, ETC.: 5

OWNER (SURNAME FIRST): HAMILTON SOO COLTD ADDRESS: RR1 Mount Hope DATE COMPLETED: 06/07/76

ZONE: 21 EASTING: 588500 NORTHING: 4777220 QUAD: 4 ELEVATION: 0720 BASIN CODE: 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| <u>Grey</u> | <u>clay</u> | | | <u>0</u> | <u>107</u> |
| <u>Grey</u> | <u>Limestone</u> | | | <u>107</u> | <u>247</u> |

31 01.07205 0247215

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| <u>0215</u> | 1 <input type="checkbox"/> FRESH 3 <input checked="" type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input checked="" type="checkbox"/> MINERAL |
| <u>0220</u> | 1 <input type="checkbox"/> FRESH 3 <input checked="" type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input checked="" type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAMETER INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|------------------------|--------------|-----------------------|------------------------|
| <u>6 1/4</u> | <u>STEEL</u> | <u>188</u> | <u>0</u> to <u>925</u> |

SCREEN

SIZE OF OPENING (SLOT NO.): 31-33 DIAMETER: 34-38 LENGTH: 59-60

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| <u>10-13</u> | <u>14-17</u> | |
| <u>18-21</u> | <u>22-25</u> | |
| <u>28-29</u> | <u>30-35</u> | <u>80</u> |

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

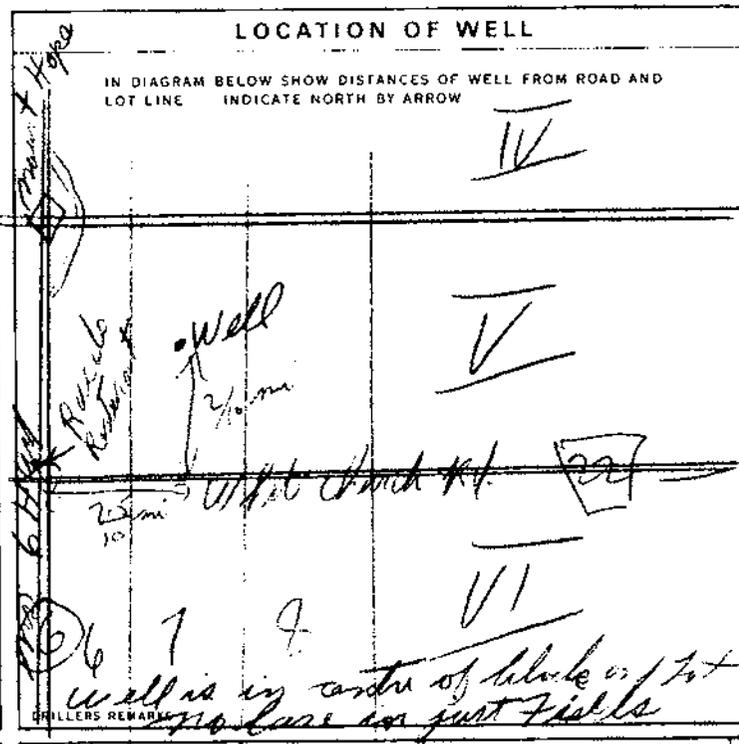
PUMPING RATE: 0090 GPM DURATION OF PUMPING: 01 HOURS 30 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | RECOVERY |
|-----------------|----------------------------|---------------------|-----------------|
| <u>070</u> FEET | <u>245</u> FEET | <u>070</u> FEET | <u>070</u> FEET |
| | | <u>070</u> FEET | <u>070</u> FEET |
| | | <u>070</u> FEET | <u>070</u> FEET |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 225 FEET

RECOMMENDED PUMP RATE: 0090 GPM



FINAL STATUS OF WELL

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

WATER USE

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

as not likely well had the used

METHOD OF DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Wesley Packham LICENCE NUMBER: 4208

ADDRESS: RR2 Oneonta

NAME OF DRILLER OR BORER: Wesley Packham LICENCE NUMBER: 4207

SIGNATURE OF CONTRACTOR: Wesley Packham SUBMISSION DATE: 7 June 76

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4208 DATE RECEIVED: 3/12/76

DATE OF INSPECTION: July 27/77 INSPECTOR: MT

REMARKS: A.P.L.



WATER WELL RECORD

30m/40

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

11 2809560

MUNICIPALITY 168.007 CON 105

| | | | |
|--|--|--|--|
| COUNTY OR DISTRICT WENTWORTH | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANBROOK | CON., BLOCK, TRACT, SURVEY, ETC. CON V | DATE COMPLETED DAY 19 MO. 03 YR. 77 |
| ADDRESS 1 WILMONT COURT | | GRID REFERENCE EASTING 77200 NORTHING 40722 | DATE RECEIVED DAY 19 MO. 03 YR. 77 |

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 6 |
| BROWN | CLAY | | | 6 | 22 |
| BLUE | CLAY | | | 22 | 108 |
| GREY | SHALE ROCK | | | 108 | 109 |

| | | | |
|------------|---------|---------|---------|
| 31 0006 02 | 0022605 | 0108305 | 0109217 |
|------------|---------|---------|---------|

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|--------------------------------|----------------------------------|----------------------------------|
| 10-13 | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

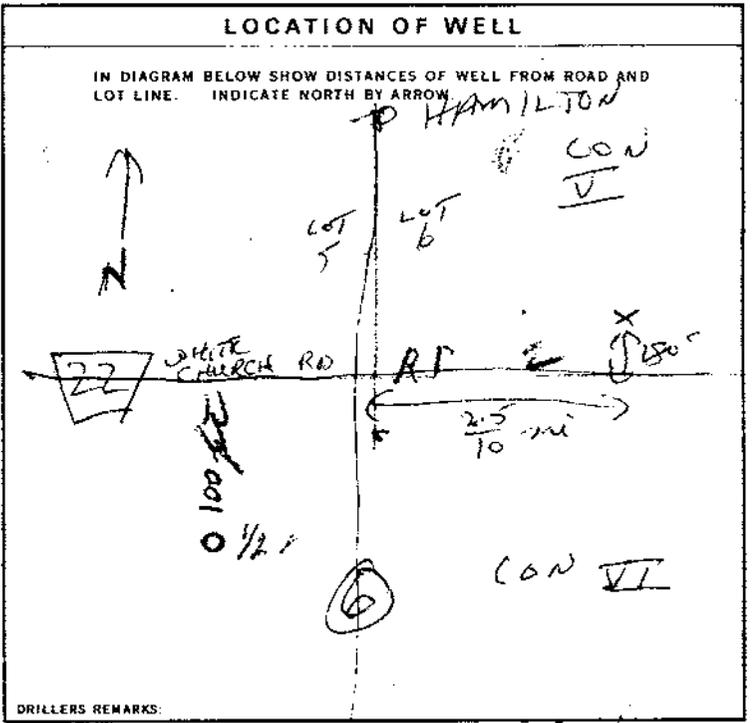
| INSIDE DIA. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|--------------------|----------|-----------------------|--------------|-------|
| | | | FROM | TO |
| 10-11 | STEEL | 1/8 | 0 | 109 |
| 17-18 | STEEL | | | 20-23 |
| 24-25 | STEEL | | | 27-30 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT, LEAD PACKER, ETC. |
|---------------------|-------------------|---------------------------------|
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

| | | |
|---|--|---|
| PUMPING TEST METHOD <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER | PUMPING RATE 0010 GPM | DURATION OF PUMPING 01 HOURS 00 MINS |
| STATIC LEVEL 045 FEET | WATER LEVEL END OF PUMPING 100 FEET | WATER LEVELS DURING |
| IF FLOWING, GIVE RATE GPM | PUMP INTAKE SET AT 090 FEET | WATER AT END OF TEST CLEAR |
| RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 090 FEET | RECOMMENDED PUMP RATE 0005 GPM |



FINAL STATUS OF WELL

| | |
|---|---|
| <input type="checkbox"/> WATER SUPPLY | <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| <input type="checkbox"/> OBSERVATION WELL | <input type="checkbox"/> ABANDONED POOR QUALITY |
| <input type="checkbox"/> TEST HOLE | <input type="checkbox"/> UNFINISHED |
| <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|--|--|
| <input checked="" type="checkbox"/> DOMESTIC | <input type="checkbox"/> COMMERCIAL |
| <input type="checkbox"/> STOCK | <input type="checkbox"/> MUNICIPAL |
| <input type="checkbox"/> IRRIGATION | <input type="checkbox"/> PUBLIC SUPPLY |
| <input type="checkbox"/> INDUSTRIAL | <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> CABLE TOOL | <input type="checkbox"/> BORING |
| <input type="checkbox"/> ROTARY (CONVENTIONAL) | <input type="checkbox"/> DIAMOND |
| <input type="checkbox"/> ROTARY (REVERSE) | <input type="checkbox"/> JETTING |
| <input type="checkbox"/> ROTARY (AIR) | <input type="checkbox"/> DRIVING |
| <input type="checkbox"/> AIR PERCUSSION | |

| | |
|--|-------------------------------|
| NAME OF WELL CONTRACTOR Frank Jones | LICENCE NUMBER 2803 |
| ADDRESS 175 Aldercrest Ave. Hamilton | |
| SIGNATURE OF CONTRACTOR <i>Frank Jones</i> | SUBMISSION DATE |

| | | |
|---|---------------------------|--------------------------------|
| DATA SOURCE 1 | CONTRACTOR 2803 | DATE RECEIVED 240377 |
| DATE OF INSPECTION July 28/77 | INSPECTOR MT | |
| REMARKS | | |



WATER WELL RECORD

30m/4e

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

11

6809565

MUNICIPALITY 68.007

CON CAN

105

COUNTY OR DISTRICT: **WENTWORTH** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **GLANBROOK** CON. BLOCK TRACT SURVEY, ETC. **006**

79 LIMERIDGE RD. E. Hamilton DATE COMPLETED: **01 JULY 76**

UG: **777240** RC: **4** ELEVATION: **071.4** RO: **24**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 6 |
| BROWN | CLAY | | | 6 | 23 |
| BLUE | CLAY | | | 27 | 107 |
| GREY | SHALE ROCK | | | 107 | 108 |

31 0006 02 0028695 0107305 0108217

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 10-15 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 2 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 2 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 2 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 2 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 2 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSET DIA - INCHES | MATERIAL | WALL THICKNESS - INCHES | DEPTH - FEET |
|--------------------|---|-------------------------|--------------|
| | | | FROM TO |
| 10-11 | 1 <input checked="" type="checkbox"/> STEEL | 1/2 | 0107 |
| 2 | 2 <input type="checkbox"/> GALVANIZED | | |
| 3 | 3 <input type="checkbox"/> CONCRETE | | |
| 4 | 4 <input type="checkbox"/> OPEN HOLE | | |
| 17-18 | 1 <input type="checkbox"/> STEEL | | 20-25 |
| 2 | 2 <input type="checkbox"/> GALVANIZED | | |
| 3 | 3 <input type="checkbox"/> CONCRETE | | |
| 4 | 4 <input type="checkbox"/> OPEN HOLE | | |
| 24-25 | 1 <input type="checkbox"/> STEEL | | 27-30 |
| 2 | 2 <input type="checkbox"/> GALVANIZED | | |
| 3 | 3 <input type="checkbox"/> CONCRETE | | |
| 4 | 4 <input type="checkbox"/> OPEN HOLE | | |

SCREEN

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

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST METHOD

1 PUMP 2 BAILER

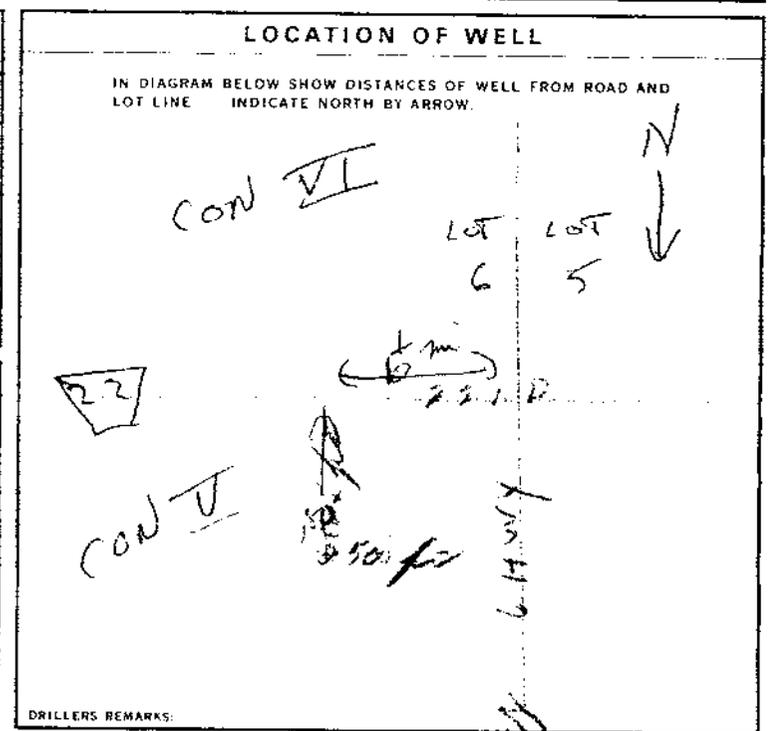
PUMPING RATE: **3/4 000** GPM DURATION OF PUMPING: **05** HOURS **00** MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
|--------------|----------------------------|---|
| FEET | FEET | 15 MINUTES 30 MINUTES 45 MINUTES 1 HOUR |
| 049 | 168 | 096 074 069 060 |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **105** FEET

RECOMMENDED PUMPING RATE: **3/4 000** GPM



FINAL STATUS OF WELL

1 WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY

2 OBSERVATION WELL 6 ABANDONED, POOR QUALITY

3 TEST HOLE 7 UNFINISHED

4 RECHARGE WELL

WATER USE

1 DOMESTIC 5 COMMERCIAL

2 STOCK 6 MUNICIPAL

3 IRRIGATION 7 PUBLIC SUPPLY

4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING

9 OTHER 9 NOT USED

METHOD OF DRILLING

1 CABLE TOOL 6 BORING

2 ROTARY (CONVENTIONAL) 7 DIAMOND

3 ROTARY (REVERSE) 8 JETTING

4 ROTARY (AIR) 9 DRIVING

5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank Jones** LICENCE NUMBER: **2803**

ADDRESS: **175 Aldercrest Ave. Hamilton**

NAME OF DRILLER OR BORER: _____ LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: **Frank Jones** SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **2803** DATE RECEIVED: **240377**

DATE OF INSPECTION: **July 27/76** INSPECTOR: **[Signature]**

REMARKS: _____

CSS.S8 P WI



WATER WELL RECORD

30m/40

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

11 10809556 68.007 CON 05

| | | | |
|--|--|---|---|
| COUNTY OR DISTRICT WENTWORTH | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANBROOK | CON. BLOCK, TRACT, SURVEY ETC 5 | DATE COMPLETED DAY 03 MO 08 YR 76 |
| ELEVATION 777.100 | | BASIN CODE 4 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 | 6 |
| BROWN CLAY | | | | 6 | 21 |
| BLUE CLAY | | | | 21 | 112 |
| GREY LIMESTONE | | | | 112 | 115 |

31 000602 0021605 0110305 0115215

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

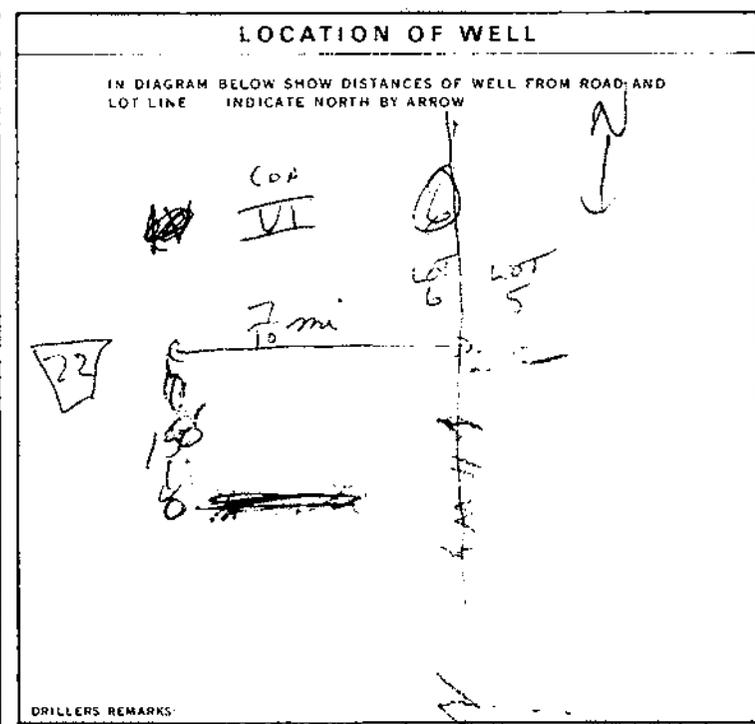
| INSIDE DIAMETER - INCHES | MATERIAL | WALL THICKNESS - INCHES | DEPTH - FEET |
|--------------------------|--|-------------------------|--------------|
| 6 1/2 | <input checked="" type="checkbox"/> STEEL | 1/2 | 0 0111 |
| 6 1/2 | <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 20-23 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 27-30 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC |
|---------------------|-------------------|------------------------------|
| 10 | | |
| 10-12 | | |
| 18-21 | | |
| 22-25 | | |
| 28-29 | | |
| 30-33 | | |

71 PUMPING TEST

| | | |
|--|---|---|
| PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> GAUGER | PUMPING RATE 0030 GPM | DURATION OF PUMPING 15-18 HOURS 19-21 MIN |
| STATIC LEVEL 055 FEET | WATER LEVEL END OF PUMPING 055 FEET | WATER LEVELS DURING PUMPING 15 MINUTES: 055 FEET 30 MINUTES: 055 FEET 45 MINUTES: 055 FEET 60 MINUTES: 055 FEET |
| IF FLOWING GIVE RATE GPM | PUMP INTAKE SET AT 070 FEET | WATER AT END OF TEST 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW 3 <input type="checkbox"/> DEEP | RECOMMENDED PUMP SLTNG 0005 FEET | RECOMMENDED PUMPING RATE 0005 GPM |



FINAL STATUS OF WELL

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

WATER USE 01

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

METHOD OF DRILLING 1

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

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank Ince** LICENCE NUMBER: **2803**
ADDRESS: **175 Aldercrest Ave. Hamilton**
NAME OF DRILLER OR BORER: _____ LICENCE NUMBER: _____
SIGNATURE OF CONTRACTOR: **Frank Ince** SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **2803** DATE RECEIVED: **240377**
DATE OF INSPECTION: **July 27/77** INSPECTOR: **BT**
REMARKS: _____
P
WI
CSS 89



WATER WELL RECORD

30m/4e

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

11

080957?

MUNICIPALITY 68007

CON. 001

05

| | | | |
|--|--|--|-------------------|
| COUNTY OR DISTRICT WENTWORTH | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE CLAYTON | CON. BLOCK, FRACT. SURVEY ETC. 8 5 | LOT 006 |
| DATE COMPLETED DAY 11 MO NOV YEAR 76 | | | |
| ELEVATION 777.20 | | RC 4 | RC 4 |
| 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 | 4 |
| | | | | 4 | 21 |
| | | | | 21 | 100 |
| | | | | 100 | 110 |

| | | | | |
|----|---------|---------|---------|---------|
| 31 | 0004102 | 0027605 | 0108305 | 0110217 |
| 32 | | | | |

41 WATER RECORD

| WATER FOUND - FEET | KIND OF WATER |
|----------------------|---|
| 10-13 0110 | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY |
| 15-18 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY |
| 20-23 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY |
| 25-28 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY |
| 30-33 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|--|-----------------------|--------------|
| 10-11 06 | <input checked="" type="checkbox"/> STEEL | | 0109 |
| 17-18 | <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | |
| 24-25 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | |

SCREEN

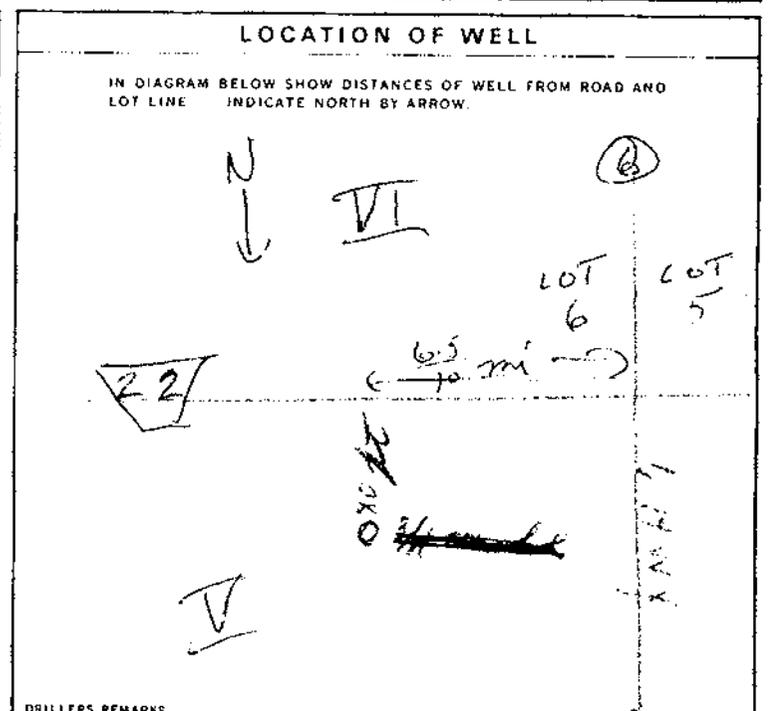
| | | |
|----------------------------|----------|--------|
| SIZE OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER, ETC. |
|---------------------|-------------------|--------------------------------|
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

| | | |
|--|---|---|
| PUMPING TEST METHOD <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILEY | PUMPING RATE 0010 GPM | DURATION OF PUMPING 1-14 HOURS 00 15-16 MIN. 17-18 MIN. |
| STATIC LEVEL 040 FEET | WATER LEVEL END OF PUMPING 100 FEET | WATER LEVELS DURING PUMPING 15 MINUTES 040 FEET 30 MINUTES 45 MINUTES 60 MINUTES |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 100 FEET | RECOMMENDED PUMPING 0005 GPM |



FINAL STATUS OF WELL

| | |
|--|---|
| <input checked="" type="checkbox"/> WATER SUPPLY | <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| <input type="checkbox"/> OBSERVATION WELL | <input type="checkbox"/> ABANDONED, POOR QUALITY |
| <input type="checkbox"/> TEST HOLE | <input type="checkbox"/> UNFINISHED |
| <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|--|--|
| <input checked="" type="checkbox"/> DOMESTIC | <input type="checkbox"/> COMMERCIAL |
| <input type="checkbox"/> STOCK | <input type="checkbox"/> MUNICIPAL |
| <input type="checkbox"/> IRRIGATION | <input type="checkbox"/> PUBLIC SUPPLY |
| <input type="checkbox"/> INDUSTRIAL | <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> CABLE TOOL | <input type="checkbox"/> BORING |
| <input type="checkbox"/> ROTARY (CONVENTIONAL) | <input type="checkbox"/> DIAMOND |
| <input type="checkbox"/> ROTARY (REVERSE) | <input type="checkbox"/> JETTING |
| <input type="checkbox"/> ROTARY (AIR) | <input type="checkbox"/> DRIVING |
| <input type="checkbox"/> AIR PERCUSSION | |

| | |
|---|--|
| NAME OF WELL CONTRACTOR Frank Jones | LICENCE NUMBER 2803 |
| ADDRESS 175 Alderwood Ave. Hamilton | |
| SIGNATURE OF CONTRACTOR <i>Frank Jones</i> | SUBMISSION DATE DAY _____ MO _____ YR _____ |

OFFICE USE ONLY

| | | |
|---|---------------------------|----------------------------------|
| DATA SOURCE 1 | CONTRACTOR 2803 | DATE RECEIVED 2.4.0377 |
| DATE OF INSPECTION July 27/77 | INSPECTOR ANT | |
| REMARKS | | |

WATER WELL RECORD

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

6810803

MUNICIPALITY: _____ COUNTY: _____

COUNTY OR DISTRICT: Wentworth TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Plunkbrook CON. BLOCK TRACT SURVEY ETC: 6 LOT: 25-27

5 Talbot Ln Mount Hope DATE COMPLETED: DAY 19 MO 06 YR 84

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----------------------|
| | | | | FROM | TO |
| | Top Soil | | | 0 | 3 |
| Brown | Clay | | | 3 | 15 |
| Blue | Clay | | | 15 | 88 108 |
| Grey | Shail Rock | | | 108 | 109 |
| Grey | Lime Rock | | | 109 | 115 |

31 _____ 32 _____

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 14-18 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 19-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 24-28 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 29-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR |
| 34-38 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|--------------|
| 10-11 | 1 <input checked="" type="checkbox"/> STEEL | | 0-109 |
| 12-16 | 2 <input type="checkbox"/> GALVANIZED | | |
| 17-19 | 3 <input type="checkbox"/> CONCRETE | | |
| 20-23 | 4 <input type="checkbox"/> OPEN HOLE | | |
| 24-25 | 1 <input type="checkbox"/> STEEL | | 20-23 |
| 26-27 | 2 <input type="checkbox"/> GALVANIZED | | |
| 28-29 | 3 <input type="checkbox"/> CONCRETE | | |
| 30-31 | 4 <input type="checkbox"/> OPEN HOLE | | |

61 SCREEN

| SIZE OF OPENING | DIAMETER | LENGTH |
|-----------------|----------|--------|
| 10-13 | 1/2 | 10 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| 10 | | |
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE | DURATION OF PUMPING |
|--|----------------------------|---|
| 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILEY | 20 GPM | 1 HOURS |
| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
| 60 FEET | 60 FEET | 15 MINUTES: 60 FEET |
| | | 30 MINUTES: 60 FEET |
| | | 45 MINUTES: 60 FEET |
| | | 60 MINUTES: 60 FEET |
| IF FLOWING GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| | 90 GPM | 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE | RECOMMENDED PUMP SETTING | RECOMMENDED PUMPING RATE |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | 90 FEET | 5 GPM |

LOCATION OF WELL

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

DRILLER'S REMARKS: _____

FINAL STATUS OF WELL

1 WATER SUPPLY 6 ABANDONED, INSUFFICIENT SUPPLY
2 OBSERVATION WELL 7 ABANDONED POOR QUALITY
3 TEST HOLE 8 UNFINISHED
4 RECHARGE WELL

WATER USE

1 DOMESTIC 5 COMMERCIAL
2 STOCK 6 MUNICIPAL
3 IRRIGATION 7 PUBLIC SUPPLY
4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING
9 OTHER 10 NOT USED

METHOD OF DRILLING

1 CABLE TOOL 4 BORING
2 ROTARY (CONVENTIONAL) 5 DIAMOND
3 ROTARY (REVERSE) 6 JETTING
4 ROTARY (AIR) 7 DRIVING
5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: Kevin Lance LICENCE NUMBER: 2805
ADDRESS: 175 Aldercrest Ave
NAME OF DRILLER OR BORER: _____ LICENCE NUMBER: _____
SIGNATURE OF CONTRACTOR: Kevin Lance SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: 030485
DATE OF INSPECTION: _____ INSPECTOR: _____
REMARKS: _____

6811293

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

11

COUNTY OR DISTRICT: Whitecourt TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Colonsay CON. BLOCK TRACT SURVEY ETC: 5 LOT: 9
DATE COMPLETED: DAY 25 MO 05 YR 87
ADDRESS: 2 Aldercrest Ave

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| | <u>Topsoil</u> | | | <u>0</u> | <u>4</u> |
| <u>Brown</u> | <u>CLAY</u> | | | <u>4</u> | <u>22</u> |
| <u>Blue</u> | <u>CLAY</u> | | | <u>22</u> | <u>101</u> |
| <u>GRAY</u> | <u>Lime Rock</u> | | | <u>101</u> | <u>105</u> |

4 WATER RECORD

WATER FOUND AT - FEET: 105

KIND OF WATER:

FRESH SULPHUR
 SALTY MINERAL

5 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|------------|
| | | | FROM | TO |
| <u>6 1/2</u> | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | <u>188</u> | <u>0</u> | <u>102</u> |
| | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | | |
| | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | | |
| | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | | |

SCREEN

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

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

6 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|-----------------------|-------------------|-------------------------------|
| FROM: _____ TO: _____ | | |
| FROM: _____ TO: _____ | | |
| FROM: _____ TO: _____ | | |

7 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER

PUMPING RATE: 20 GPM DURATION OF PUMPING: 1 HOURS

STATIC LEVEL: 55 FEET WATER LEVEL END OF PUMPING: 55 FEET

WATER LEVELS DURING:

15 MINUTES: _____ 30 MINUTES: _____ 45 MINUTES: _____ 60 MINUTES: _____

IF FLOWING, GIVE RATE: _____ GPM PUMP INTAKE SET AT: 90 FEET WATER AT END OF TEST: _____ FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 90 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.

45 ft 1 km

Whitechurch Rd

Miles Rd

FINAL STATUS OF WELL

WATER SUPPLY ABANDONED, INSUFFICIENT SUPPLY
 OBSERVATION WELL ABANDONED, POOR QUALITY
 TEST HOLE UNFINISHED
 RECHARGE WELL

WATER USE

DOMESTIC COMMERCIAL
 STOCK MUNICIPAL
 IRRIGATION PUBLIC SUPPLY
 INDUSTRIAL COOLING OR AIR CONDITIONING
 OTHER NOT USED

METHOD OF DRILLING

CABLE TOOL BORING
 ROTARY (CONVENTIONAL) DIAMOND
 ROTARY (REVERSE) JETTING
 ROTARY (AIR) DRIVING 2803
 AIR PERCUSSION

DRILLERS REMARKS: 08207

CONTRACTOR

NAME OF WELL CONTRACTOR: Frank Lane LICENCE NUMBER: 2803
ADDRESS: 175 Aldercrest Ave
NAME OF DRILLER OR BORER: Howard Patchard
SIGNATURE OF CONTRACTOR: Frank Lane SUBMISSION DATE: DAY 2 MO 10 YR 87

OFFICE USE ONLY

DATE RECEIVED: OCT 29 1987

CSS.ES

WATER WELL RECORD

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

11

6811407

MUNICIPALITY: [] LOT: 7

COUNTY OR DISTRICT: Wentworth TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Glenbrook CON. BLOCK, TRACT, SURVEY, ETC.: 6 LOT: 7

DATE COMPLETED: DAY 24 NO. 3 YR. 88

ADDRESS: 55 White church rd Mount Hope

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | <u>Topsoil</u> | | | 0 | 3 |
| <u>Brown</u> | <u>Clay</u> | | | 3 | 16 |
| <u>Blue</u> | <u>Clay</u> | | | 16 | 102 |
| <u>Grey</u> | <u>Shale Rock</u> | | | 102 | 103 |
| <u>Grey</u> | <u>Lime Rock</u> | | | 103 | 110 |

31
32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 102 | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS |
| 15-18 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS |
| 20-23 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS |
| 25-28 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS |
| 30-33 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 6 1/4 | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | 1/2 | 0 | 103 |
| 17-18 1/2 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | | | 20-23 |
| 24-25 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | | | 27-30 |

SCREEN

| SIZE OF OPENING (SCOT NO.) | DIAMETER INCHES | LENGTH FEET |
|----------------------------|-----------------|-------------|
| | | |

MATERIAL AND TYPE: _____

DEPTH TO TOP OF SCREEN: _____ FEET

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| 10-13 | | |
| 18-21 | | |
| 24-28 | | |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILEY

PUMPING DATE: 1 1988

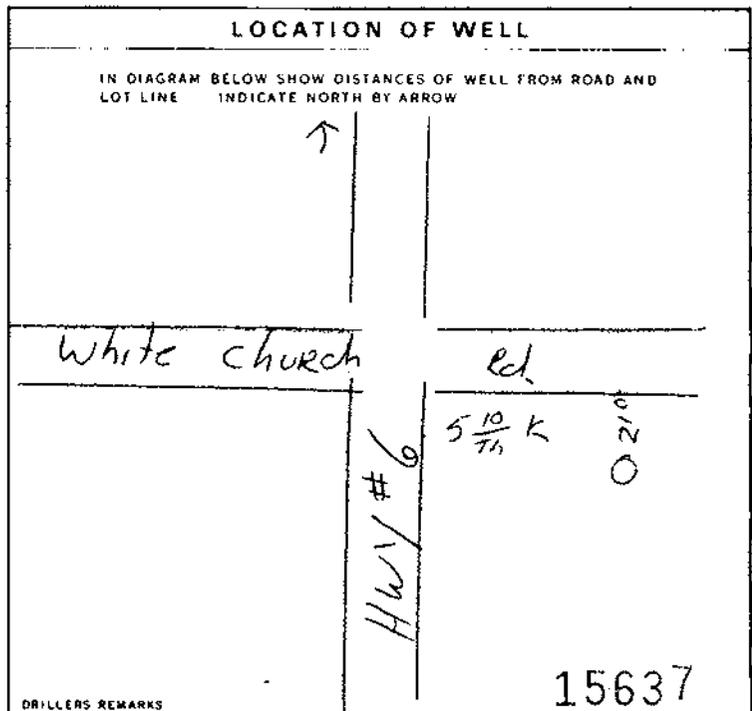
DURATION OF PUMPING: 3 HOURS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|--------------|----------------------------|---------------------|---------------------|---------------------|---------------------|
| 410 FEET | 103 FEET | 15 MINUTES: 95 FEET | 30 MINUTES: 80 FEET | 45 MINUTES: 70 FEET | 60 MINUTES: 60 FEET |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 107 FEET

RECOMMENDED PUMPING RATE: 1 GPM



FINAL STATUS OF WELL

WATER SUPPLY ABANDONED - INSUFFICIENT SUPPLY
 OBSERVATION WELL ABANDONED - POOR QUALITY
 TEST HOLE UNFINISHED
 RECHARGE WELL DEWATERING

WATER USE

DOMESTIC COMMERCIAL
 STOCK MUNICIPAL
 IRRIGATION PUBLIC SUPPLY
 INDUSTRIAL COOLING OR AIR CONDITIONING
 OTHER NOT USED

METHOD OF CONSTRUCTION

CABLE TOOL BORING
 ROTARY (CONVENTIONAL) DIAMOND
 ROTARY (REVERSE) JETTING
 ROTARY (AIR) DRIVING
 AIR PERCUSSION DIGGING OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Frank Lance
 ADDRESS: 175 Alden crest Ave.
 WELL CONTRACTOR'S LICENCE NUMBER: 2803

NAME OF WELL TECHNICIAN: Frank Lance
 WELL TECHNICIAN'S LICENCE NUMBER: TC 355
 SIGNATURE OF TECHNICIAN/CONTRACTOR: Frank Lance
 SUBMISSION DATE: DAY 8 MO. 4 YR. 88

OFFICE USE ONLY

DATA SOURCE: 2803 CONTRACTOR: 2803 DATE RECEIVED: APR 14 1988

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

CSS.ES

WENTWORTH PRINT ONLY IN SPACES PROVIDED
2 CHECK CORRECT BOX WHERE APPLICABLE

11 6812613 MUNICIPAL 68007 CON. CAN. 07

COUNTY OR DISTRICT: [redacted] TOWNSHIP BOROUGH CITY TOWN VILLAGE: Outlook LOT: 17
 ELEVATION: 528 Whitechurch Rd DATE COMPLETED: DAY 08 MO 06 YR 95
 BASIN CODE: [redacted]

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | Top Soil | | | 0 | 3 |
| Brown | Clay | | | 3 | 16 |
| Blue | Clay (Sandy) | | | 16 | 98 |
| Brown | Muddy Shale | | | 98 | 100 |

31 [] 32 []

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 99 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | DEPTH - FEET |
|---------------------|---|--------------|
| 6 1/4 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC | 0 99 |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

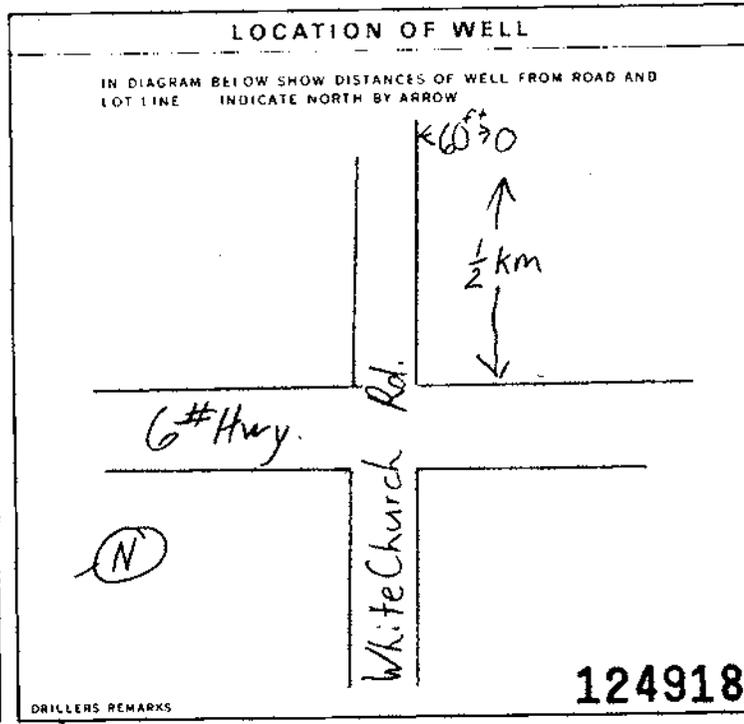
71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: 20 GPM

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|--------------|----------------------------|---------------------|---------------|---------------|---------------|
| 50 | 80 | 15 MINUTES: 50 | 30 MINUTES: - | 45 MINUTES: - | 60 MINUTES: - |

RECOMMENDED PUMP TYPE: SHALLOW DEEP



FINAL STATUS OF WELL

1 WATER SUPPLY 5 ABANDONED INSUFFICIENT SUPPLY
 2 OBSERVATION WELL 6 ABANDONED POOR QUALITY
 3 TEST HOLE 7 UNFINISHED
 4 RECHARGE WELL 8 DEWATERING

WATER USE

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

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: Grant Place WELL CONTRACTOR'S LICENCE NUMBER: 2803
 ADDRESS: 175 Aldercrest Ave. Hamilton Ont.
 NAME OF WELL TECHNICIAN: Kevin Jones WELL TECHNICIAN'S LICENCE NUMBER: 72497
 SIGNATURE OF TECHNICIAN/CONTRACTOR: Kevin Jones SUBMISSION DATE: _____

OFFICE USE ONLY

CONTRACTOR: 2803 DATE RECEIVED: JUL 19 1995
 DATE OF INSPECTION: _____ INSPECTOR: _____
 REMARKS: _____

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

Address of Well Location (County/District/Municipality) **Wentworth** Township **Glanbrook** Lot **7** Concession **8**
 RR#/Street Number/Name **8321 White Church Rd.** City/Town/Village **Mounthope** Site/Compartment/Block/Tract etc.
 GPS Reading NAD Zone Easting Northing Unit Make/Model Mode of Operation: Undifferentiated Averaged
8 3 17 588500 4777258 Magellan Blazer12 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 | | | 0 | 3 |
| grey | clay | | | 3 | 31 |
| grey | limestone | | | 31 | 32 |

Hole Diameter

| Depth From | Metres To | Diameter Centimetres |
|------------|-----------|----------------------|
| +5 | 31 | 15.9 |
| 31 | 32 | 15.5 |

Water Record

Water found at **31.5** Metres Kind of Water **X** Fresh Sulphur Minerals
 Gas Salty Other
 m Fresh Sulphur Minerals
 Gas Salty Other
 m Fresh Sulphur Minerals
 Gas Salty Other

After test of well yield, water was **X** Clear and sediment free
 Other, specify

Chlorinated **X** Yes No

Construction Record

| Inside diam centimetres | Material | Wall thickness centimetres | Depth From | Metres To |
|----------------------------|---|----------------------------|------------|-----------|
| Casing | | | | |
| 15.9 | X Steel Fibreglass Plastic Concrete Galvanized Steel Fibreglass Plastic Concrete Galvanized Steel Fibreglass Plastic Concrete Galvanized | 188 | +5 | 31 |
| Screen | | | | |
| Outside diam | Material | Slot No. | | |
| No Casing or Screen | | | | |
| X Open hole | | | 31 | 32 |

Test of Well Yield

| Pumping test method | Draw Down | | Recovery | |
|---|---------------|--------------------|----------|--------------------|
| | Time min | Water Level Metres | Time min | Water Level Metres |
| Pump | | | | |
| Pump intake set at (metres) | 30 | Static Level 12.5 | | 12.5 |
| Pumping rate (litres/min) | 45 | 1 13.4 | 1 | 12.6 |
| Duration of pumping | 1 hrs + 0 min | 2 13.4 | 2 | 12.5 |
| Final water level end of pumping (metres) | 13.6 | 3 13.4 | 3 | 12.5 |
| Recommended pump type | | 4 13.4 | 4 | 12.5 |
| Recommended pump depth (metres) | 25 | 5 13.4 | 5 | 12.5 |
| Recommended pump rate (litres/min) | 50 | 10 13.4 | 10 | 12.5 |
| If flowing give rate (litres/min) | 15 | 15 13.5 | 15 | 12.5 |
| | 20 | 20 13.5 | 20 | 12.5 |
| | 25 | 25 13.6 | 25 | 12.5 |
| If pumping discontinued, give reason. | 30 | 30 13.6 | 30 | 12.5 |
| | 40 | 40 13.6 | 40 | 12.5 |
| | 50 | 50 13.6 | 50 | 12.5 |
| | 60 | 60 13.6 | 60 | 12.5 |

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 | Bentonite | 1.5 |

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.

The well is at **X** Well
 8321 White Church Rd.

Audit No. **Z 08344** Date Well Completed **04 06 99**
 Was the well owner's information package delivered? **X** Yes No **04 06 11**

Well Contractor/Technician Information

Name of Well Contractor **Packham Well Drilling Inc.** Well Contractor's Licence No **4207**
 Business Address (street name, number, city etc.) **R.R. # 2 Ancaster, Ont.**
 Name of Well Technician (last name, first name) **Mervyn Packham** Well Technician's Licence No **T0058**
 Signature of Technician/Contractor *[Signature]* Date Submitted **04 06 22**

Ministry Use Only

Data Source Contractor **4207**
 Date Received **JUN 28 2004** Date of Inspection **04 06 11**
 Remarks Well Record Number **6814029**

Appendix 1B

Ministry of the Environment, Conservation & Parks Water Well Records along Cross-Section B-B'

30M/4e J.B.



6807153

17 5 9 0 9 2 0

4R 4 7 7 7 3 6 0

4R 9 7 4 0

The Ontario Water Resources Commission Act

24

WATER WELL RECORD

County or District WENTWORTH DIVISION OF WATER RESOURCES Township, Village, Town or City GLATFORD

Con. 5 Lot 11 Date completed 27 June 19-19
(day month year)

Address RR 2 Rt. Hope

Casing and Screen Record

Pumping Test

Inside diameter of casing 6 3/4
 Total length of casing 9 5
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 6"

Static level 55
 Test-pumping rate 10 G.P.M.
 Pumping level 90
 Duration of test pumping 1 hour
 Water clear or cloudy at end of test Clear
 Recommended pumping rate 5 G.P.M.
 with pump setting of 90 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) |
|-------------------------------|-----------|------------|----------------------------------|---------------------------------------|
| <u>Brown Clay</u> | <u>0</u> | <u>16</u> | <u>96</u> | <u>fresh</u> |
| <u>Blue Clay</u> | <u>16</u> | <u>94</u> | | |
| <u>Limerock</u> | <u>94</u> | <u>100</u> | | |
| | | | | |
| | | | | |
| | | | | |

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 FR. INCE

Address 175 Aldercrest Ave.
Hamilton Ont.
3484

Licence Number 3484

Name of Driller or Borer Grant Chase

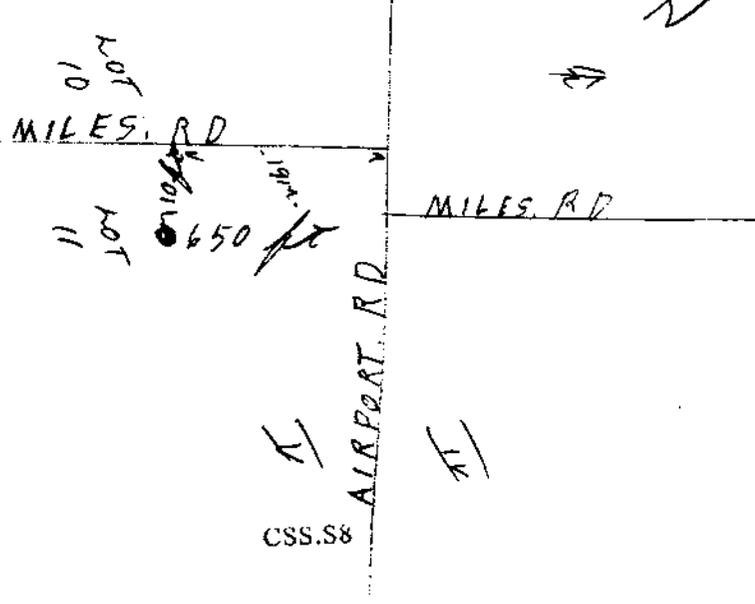
Address 175 Aldercrest Ave.

Date June 27

(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.



6811170

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

COUNTY OR DISTRICT: **WEAVER** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **CLANBROOK** CON. BLOCK, TRACT, SURVEY ETC: **5** LOT: **10**
 DATE COMPLETED: DAY **29** MO **April** YR **86**
 ADDRESS: **MOYLEY DR.**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 3 |
| BROWN | CLAY | | | 3 | 16 |
| BLUE | CLAY | | | 16 | 94 |
| GREY | LIMESTONE | | | 94 | 103 |

31
32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 96 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIA. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|--------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 6 1/4 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1 1/8 | 0 | 95 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 20-23 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 27-30 |

SCREENS

| SIZE (SLOPE NO.) | DIAMETER INCHES | LENGTH FEET |
|-------------------|-----------------|-----------------------------|
| | | |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN FEET |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 28-29 | 30-33 |

71 PUMPING TEST

| | | |
|---|---|---|
| PUMPING TEST METHOD: 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER | PUMPING RATE: 4 GPM | DURATION OF PUMPING: 1 1/2 HOURS |
| STATIC LEVEL: 50 FEET | WATER LEVEL END OF PUMPING: 103 FEET | WATER LEVELS DURING: |
| 15 MINUTES: 70 FEET | 30 MINUTES: 60 FEET | 45 MINUTES: 50 FEET |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> 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.

FINAL STATUS OF WELL

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

WATER USE

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 DRILLING

1 CABLE TOOL 4 BORING
 2 ROTARY (CONVENTIONAL) 5 DIAMOND
 3 ROTARY (REVERSE) 6 JETTING
 4 ROTARY (AIR) 7 DRIVING
 5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank Ince** LICENCE NUMBER: **2803**
 ADDRESS: **175 Aldercrest Ave. Hamilton**
 NAME OF DRILLER OR BORER: _____ LICENCE NUMBER: _____
 SIGNATURE OF CONTRACTOR: **Frank Ince** SUBMISSION DATE: _____

DRILLERS REMARKS

500 ft
110 ft

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: _____ DATE RECEIVED: **060487**
 DATE OF INSPECTION: _____ INSPECTOR: _____
 REMARKS: _____

CSS.ES



WATER WELL RECORD

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

11

6812252

MUNICIP 68,007

CON CAN

105

COUNTY OR DISTRICT: [REDACTED] TOWNSHIP, BOROUGH CITY TOWN VILLAGE: Blind Brook CON BLOCK TRACT SURVEY ETC: #85 LOT: 10

DATE COMPLETED: DAY 7 MO 10 YR 92

ADDRESS: 20 Miles Rd Mount Hope

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH FEET | |
|----------------|----------------------|-----------------|----------------------|------------|--------|
| | | | | FROM | TO |
| | | | 0-4 brown silty clay | 0 | 4 |
| | | | Grey clay | 4 | 100 |
| | | | gravel | 100 | 100'6" |
| | | | Grey limestone | 100'6" | 118 |

31

32

41 WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER | | | | | |
|---------------------|---------------|-----------|------------|-------|---|----|
| 10-13 | 1 FRESH | 3 SULPHUR | 4 MINERALS | 5 GAS | 6 | 14 |
| 15-18 | 1 FRESH | 3 SULPHUR | 4 MINERALS | 5 GAS | 6 | 18 |
| 20-23 | 1 FRESH | 3 SULPHUR | 4 MINERALS | 5 GAS | 6 | 24 |
| 25-28 | 1 FRESH | 3 SULPHUR | 4 MINERALS | 5 GAS | 6 | 29 |
| 30-33 | 1 FRESH | 3 SULPHUR | 4 MINERALS | 5 GAS | 6 | 34 |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM INCHES | MATERIAL | WELL DEPTH FEET | DEPTH FEET |
|--------------------|----------|-----------------|--------------|
| 6 1/2 | STEEL | 1188 | 100 - 100'6" |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC |
|-------------------|-------------------|------------------------------|
| 100-100'6" | PIPE SLOTTED | |

71 PUMPING TEST

PUMPING TEST METHOD: air

1 PUMP 2 BAILEY

PUMPING RATE: 25 GPM

DURATION OF PUMPING: 3 HOURS

STATIC LEVEL: 60 FEET

WATER LEVEL END OF PUMPING: 105 FEET

WATER LEVELS DURING PUMPING:

| | | | |
|------------|------------|------------|------------|
| 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| 28-28 | 29-31 | 32-34 | 35-37 |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 105 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.

095209

FINAL STATUS OF WELL

1 WATER SUPPLY 5 ABANDONED INSUFFICIENT SUPPLY

2 OBSERVATION WELL 6 ABANDONED POOR QUALITY

3 TEST HOLE 7 UNFINISHED

4 RECHARGE WELL 8 DEWATERING

WATER USE

1 DOMESTIC 5 COMMERCIAL

2 STOCK 6 MUNICIPAL

3 IRRIGATION 7 PUBLIC SUPPLY

4 INDUSTRIAL 8 COOLING OR AIR CONDITIONING

9 OTHER 9 NOT USED

METHOD OF CONSTRUCTION

1 CABLE TOOL 6 BORING

2 ROTARY (CONVENTIONAL) 7 DIAMOND

3 ROTARY (REVERSE) 8 JETTING

4 ROTARY (AIR) 9 DRIVING

5 AIR PERCUSSION 10 DIGGING 11 OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Lougheed Drilling

WELL CONTRACTOR'S LICENCE NUMBER: 3414

ADDRESS: 92 Mulock Dr Newmarket

NAME OF WELL TECHNICIAN: D Vandenboom

WELL TECHNICIAN'S LICENCE NUMBER: 70 H03

SIGNATURE OF TECHNICIAN/CONTRACTOR: [Signature]

SUBMISSION DATE: DAY 24 MO 10 YR 92

OFFICE USE ONLY

DATA SOURCE: 3414

CONTRACTOR: 3414

DATE RECEIVED: OCT 28 1992

DATE OF INSPECTION: _____

INSPECTOR: _____

REMARKS: _____

CSS.ES

WATER WELL RECORD

1 PRINT ONLY IN SPACES PROVIDED

2 CHECK CORRECT BOX WHERE APPLICABLE

11- 6812646

6812646

MUNICIPALITY 68007

CON. CON.

105

COUNTY OR DISTRICT: [REDACTED] TOWNSHIP BOROUGH CITY TOWN VILLAGE: Chabrook CON. BLOCK TRAIL SURVEY ETC: 10 LOT: 5

DATE COMPLETED: DAY 24 MO 07 YR 95

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH FEET | |
|----------------|----------------------|-----------------|---------------------|------------|------------|
| | | | | FROM | TO |
| | <u>Top Soil</u> | | | <u>0</u> | <u>4</u> |
| <u>Brown</u> | <u>Clay</u> | | | <u>4</u> | <u>16</u> |
| <u>Blue</u> | <u>Clay</u> | | | <u>16</u> | <u>100</u> |
| <u>Grey</u> | <u>Lime Rock</u> | | | <u>100</u> | <u>130</u> |

31 [] 32 []

41 WATER RECORD

WATER FOUND AT FEET: 122

| | | |
|-------|---|---|
| 1-15 | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY | 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 15-20 | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY | 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 20-25 | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY | 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 25-30 | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY | 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 30-35 | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SALTY | 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM INCHES | MATERIAL | WELL THICKNESS INCHES | DEPTH FEET |
|--------------------|---|-----------------------|-----------------------|
| <u>6 1/4</u> | <u>STEEL</u> | <u>188</u> | <u>0</u> - <u>102</u> |
| | <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | | |

SCREEN

SIZE OF OPENING (SLOT NO.): [] DIAMETER: [] LENGTH: []

MATERIAL AND TYPE: [] DEPTH TO TOP OF SCREEN: []

61 PLUGGING & SEALING RECORD

| DEPTH SET AT FEET | MATERIAL AND TYPE | ELEMENT GROUP: LEAD PACKER ETC. |
|---|-------------------|---------------------------------|
| <u>10-11</u> - <u>14-17</u> | | |
| <u>18-21</u> - <u>22-25</u> | | |
| <u>26-29</u> - <u>30-33</u> - <u>60</u> | | |

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAUER

PUMPING RATE: 1 GPM

DURATION OF PUMPING: 2 HOURS

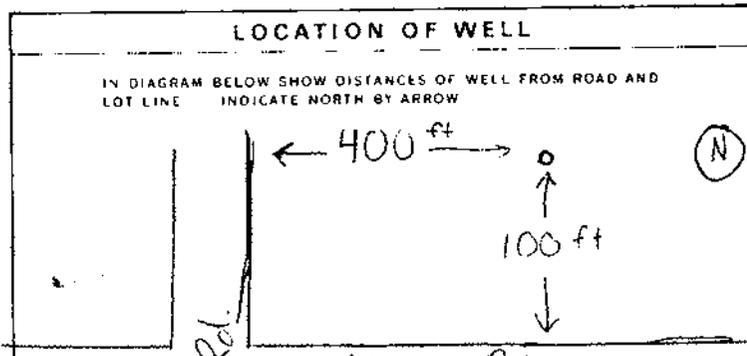
| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING | | | |
|--------------|----------------------------|-----------------------------|------------------------|------------------------|-----------------------|
| <u>75</u> | <u>126</u> | 15 MINUTES: <u>114</u> | 30 MINUTES: <u>108</u> | 45 MINUTES: <u>100</u> | 60 MINUTES: <u>86</u> |

PUMP INTAKE SET AT: 128 FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 128 FEET

RECOMMENDED PUMPING RATE: 1 GPM



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 8 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: **124980**

CONTRACTOR

NAME OF WELL CONTRACTOR: Orvak & Diner

WELL CONTRACTOR'S LICENCE NUMBER: 2803

ADDRESS: 175 Aldercrest Av. Hamilton Ont.

NAME OF WELL TECHNICIAN: Kevin Diner

WELL TECHNICIAN'S LICENCE NUMBER: 7-2497

SIGNATURE OF TECHNICIAN/CONTRACTOR: Kevin Diner

SUBMISSION DATE: DAY 29 MO 07 YR 95

OFFICE USE ONLY

DATE SOURCE: 2803

DATE RECEIVED: OCT 04 1995

DATE OF INSPECTION: []

INSPECTOR: []

REMARKS: []

CSS.ES

Print only in spaces provided. Mark correct box with a checkmark, where applicable.

WENTWORTH

6813175

Municipality 68007 Con 05

County or District: Haldimand Township/Borough/City/Town/Village: Glanbrook Con block tract survey, etc.: 5 Lot: 11
 Address: 2039 Miles Rd. Date completed: 13 day 04 month 98 year

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) | | | | | |
|--|----------------------|-----------------|---------------------|--------------|-----------|
| General colour | Most common material | Other materials | General description | Depth - feet | |
| | | | | From | To |
| | <u>Top Soil</u> | | | <u>0</u> | <u>2</u> |
| <u>Brown</u> | <u>Clay</u> | | | <u>2</u> | <u>15</u> |
| <u>Blue</u> | <u>Clay</u> | | | <u>15</u> | <u>94</u> |
| <u>Grey</u> | <u>Shale Rock</u> | | | <u>94</u> | <u>98</u> |

41 WATER RECORD

| Water found at - feet | Kind of water |
|-----------------------|--|
| <u>95</u> | <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur Minerals <input type="checkbox"/> Gas |
| | <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur Minerals <input type="checkbox"/> Gas |
| | <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur Minerals <input type="checkbox"/> Gas |
| | <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur Minerals <input type="checkbox"/> Gas |

51 CASING & OPEN HOLE RECORD

| Inside diam inches | Material | Wall thickness inches | Depth - feet | |
|--------------------|---|-----------------------|--------------|---------------|
| | | | From | To |
| <u>6 1/4</u> | <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic | <u>.198</u> | <u>0</u> | <u>94 1/2</u> |
| | <input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic | | | |
| | <input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic | | | |

61 SCREEN

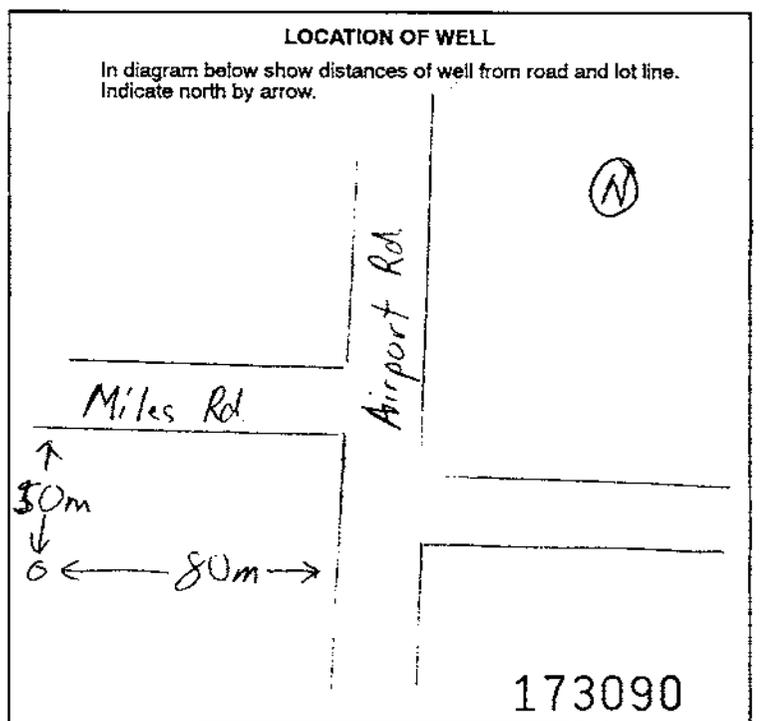
| Sizes of opening (Slot No.) | Diameter inches | Length feet |
|-----------------------------|-----------------|-----------------------------|
| | | |
| Material and type | | Depth at top of screen feet |

61 PLUGGING & SEALING RECORD

| Depth set at - feet | | Material and type (Cement grout, bentonite, etc.) |
|---------------------|-----------|---|
| From | To | |
| <u>13</u> | <u>15</u> | |
| <u>18</u> | <u>21</u> | |
| <u>24</u> | <u>25</u> | |

71 PUMPING TEST

| Pumping test method | Pumping rate GPM | Duration of pumping Hours Mins |
|--|--|--|
| <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailor | | |
| Static level: <u>40</u> feet | Water level end of pumping: <u>85</u> feet | Water levels during: |
| | | <input type="checkbox"/> Pumping <input type="checkbox"/> Recovery |
| | | 15 minutes: <u>40</u> feet 30 minutes: _____ feet 45 minutes: _____ feet 60 minutes: _____ feet |
| If flowing give rate: _____ GPM | Pump intake set at _____ feet | Water at end of test: <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy |
| Recommended pump type: <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep | Recommended pump setting: _____ feet | Recommended pump rate: _____ 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

Name of Well Contractor: Kerron Inc Well Contractor's Licence No.: 7019
 Address: 175 Aldercrest Av. Hamilton Ont.
 Name of Well Technician: Kerron Inc Well Technician's Licence No.: 7-2497
 Signature of Technician/Contractor: Kerron Inc Submission date: 19 day 05 mo 99 yr

MINISTRY USE ONLY

Data source: _____ Contractor: 7019 Date received: JUL 27 1999
 Date of inspection: _____ Inspector: _____
 Remarks: _____

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

| | | | | | |
|---|-----|-------------------|--|-----------------------------------|-----------------|
| Address of well location (County/District/Municipality) | | Township | | Lot | Concession |
| HAMILTON - WELLS | | GLANFORD | | 10 | 5 |
| RR#/Street Number/Name | | City/Town/Village | | Site/Compartment/Block/Tract etc. | |
| 2026 MILES RD. | | | | | |
| GPS Reading | NAD | Zone | Easting | Northing | Unit Make/Model |
| | 813 | 17 | 590934 | 4771835 | GARMIN |
| Mode of Operation: | | | <input type="checkbox"/> Undifferentiated <input type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify... | | |
| | | | ETREX | | |

Log of Overburden and Bedrock Materials (see instructions)

| General Colour | Most common material | Other Materials | General Description | Depth Metres | |
|----------------|----------------------|-----------------|---------------------|--------------|-------|
| | | | | From | To |
| BROWN | CLAY | | | 0 | 3.04 |
| GREY | CLAY | | | 10.90 | 27.43 |
| GREY | LIMESTONE | | | 27.43 | 36.57 |

| Hole Diameter | | |
|---------------|--------|-------------|
| Depth | Metres | Diameter |
| From | To | Centimetres |
| 0 | 6 | 25.4 |
| 6 | 36.57 | 15.2 |

| Construction Record | | | |
|---------------------|------------------|----------------|--------|
| Inside diam | Material | Wall thickness | Depth |
| centimetres | | centimetres | Metres |
| | | | From |
| | | | To |
| Casing | | | |
| 15.2 | Steel Fibreglass | 21.90 | 6 |
| | Plastic Concrete | | 27.43 |
| | Galvanized | | |

| Test of Well Yield | | | | |
|----------------------------------|-----------|--------------------|----------|--------------------|
| Pumping test method | Draw Down | | Recovery | |
| | Time min | Water Level Metres | Time min | Water Level Metres |
| SUB. PUMP | | | | |
| Pump intake set at - (metres) | 33 | Static Level | 18.28 | |
| Pumping rate - (litres/min) | 2.27 | 1 | 19.87 | 1 23.19 |
| Duration of pumping | 2 | 19.96 | 2 | 23.13 |
| Final water level end of pumping | 3 | 20 | 3 | 23.11 |
| Recommended pump type | 4 | 20.10 | 4 | 23.08 |
| Recommended pump depth | 5 | 20.20 | 5 | 23.04 |
| Recommended pump rate | 10 | 20.63 | 10 | 22.89 |
| | 15 | 20.98 | 15 | 22.75 |
| | 20 | 20.97 | 20 | 22.58 |
| | 25 | 21.70 | 25 | 22.49 |
| | 30 | 22.28 | 30 | 22.37 |
| | 40 | 23.02 | 40 | 22 |
| | 50 | 23.74 | 50 | 21.73 |
| | 60 | 24.38 | 60 | 21.54 |

| Water Record | |
|---|--|
| Water found at | Kind of Water |
| 32 m | Fresh <input type="checkbox"/> Sulphur |
| | Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals |
| 35.8 m | Fresh <input type="checkbox"/> Sulphur |
| | Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals |
| After test of well yield, water was | |
| <input checked="" type="checkbox"/> Clear and sediment free | |
| <input type="checkbox"/> Other, specify | |
| Chlorinated | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

| Screen | | | |
|----------------------------|---|----------|-------------|
| Outside diam | Material | Slot No. | Depth |
| | | | Metres |
| | | | From |
| | | | To |
| No Casing or Screen | | | |
| | <input checked="" type="checkbox"/> Open hole | | 27.43 36.57 |

| Plugging and Sealing Record | | |
|-----------------------------|---|------------------------------|
| Depth set at - Metres | Material and type (bentonite slurry, neat cement slurry) etc. | Volume Placed (cubic metres) |
| From | To | |
| 0 | 6 BENTONITE SLURRY | |

| Location of Well | |
|---|---------------------|
| In diagram below show distances of well from road, lot line, and building. Indicate north by arrow. | |
| | |
| Audit No. | Date Well Completed |
| Z 37900 | 2006 10 02 |
| Was the well owner's information package delivered? | Date Delivered |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2006 10 02 |

| Method of Construction | | | |
|--|---|---|--|
| <input type="checkbox"/> Cable Tool | <input type="checkbox"/> Rotary (air) | <input type="checkbox"/> Diamond | <input type="checkbox"/> Digging |
| <input type="checkbox"/> Rotary (conventional) | <input type="checkbox"/> Air percussion | <input type="checkbox"/> Jetting | <input type="checkbox"/> Other |
| <input type="checkbox"/> Rotary (reverse) | <input type="checkbox"/> Boring | <input type="checkbox"/> Driving | |
| Water Use | | | |
| <input type="checkbox"/> Domestic | <input type="checkbox"/> Industrial | <input type="checkbox"/> Public Supply | <input type="checkbox"/> Other |
| <input type="checkbox"/> Stock | <input type="checkbox"/> Commercial | <input type="checkbox"/> Not used | |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Municipal | <input type="checkbox"/> Cooling & air conditioning | |
| Final Status of Well | | | |
| <input type="checkbox"/> Water Supply | <input type="checkbox"/> Recharge well | <input type="checkbox"/> Unfinished | <input type="checkbox"/> Abandoned (Other) |
| <input type="checkbox"/> Observation well | <input type="checkbox"/> Abandoned, insufficient supply | <input type="checkbox"/> Dewatering | |
| <input type="checkbox"/> Test Hole | <input type="checkbox"/> Abandoned, poor quality | <input type="checkbox"/> Replacement well | |

| Well Contractor/Technician Information | |
|---|-------------------------------|
| Name of Well Contractor | Well Contractor's Licence No. |
| O'CONNOR WELL DRILLING LTD | 4005 |
| Business Address (street name, number, city etc.) | |
| 621 CON. 5 W. RR#1 MILLGROVE, ONT. LOR-1V0 | |
| Name of Well Technician (last name, first name) | Well Technician's Licence No. |
| HOWE WAYNE | 7518 |
| Signature of Technician/Contractor | Date Submitted |
| X [Signature] | YYYY MM DD |

| Ministry Use Only | |
|-------------------|--------------------|
| Data Source | Contractor |
| | 4005 |
| Date Received | Date of Inspection |
| NOV 28 2006 | YYYY MM DD |
| Remarks | Well Record Number |

Appendix 1C

Ministry of the Environment, Conservation & Parks Water Well Records along Cross-Section C-C'



WATER WELL RECORD

3 CM/4E

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT: **WENTWORTH** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **CLANEDON** MUNICIPALITY: **68007** CON.: **CAN** LOT: **104**
 OWNER (SURNAME FIRST): **RR # 2 J.C. HORN** DATE COMPLETED: **07 15 71**
 ADDRESS: **5 SPRINGSIDE DR.** DAY: **15** MONTH: **07** YEAR: **1971**
 HING: **777950** RC: **4** ELEVATION: **0740** RC: **4** BASIN CODE: **24**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 5 |
| BROWN | CLAY | | | 5 | 12 |
| BLUE | CLAY | | | 22 | 25 |
| GRAY | LIME ROCK | | | 29 | 100 |

31: **0005 02** 0022405 0085305 0100215
 32: _____

41 WATER RECORD

| WATER SOUND | KIND OF WATER |
|-------------|--|
| 10-13 | <input checked="" type="checkbox"/> FRESH <input checked="" type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|--------------|
| 10-14 | <input checked="" type="checkbox"/> STEEL | 1/8 | 0 - 76 |
| 06 | <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | 0086 |
| 17-18 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE | | 86 - 100 |
| 24-25 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | 27-30 |

SCREEN

| SIZES OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-----------------------------|----------|--------|
| | | |

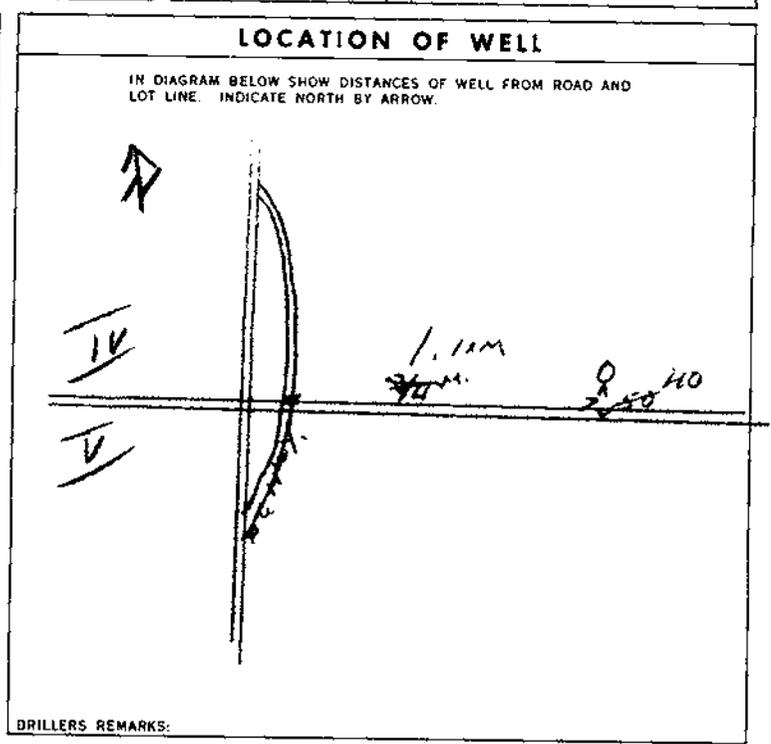
MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| 10-13 | |
| 18-21 | |
| 26-29 | |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE | DURATION OF PUMPING |
|--|--------------|---------------------|
| <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER | 0006 GPM | 01 HOURS 00 MINS |
| STATIC LEVEL: 040 FEET WATER LEVEL END OF PUMPING: 090 FEET WATER LEVELS DURING PUMPING: 15 MINUTES: 040 FEET 30 MINUTES: 040 FEET 45 MINUTES: 040 FEET 60 MINUTES: 040 FEET | | |
| RECOMMENDED PUMP TYPE: <input checked="" type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP RECOMMENDED PUMP SETTING: 095 FEET RECOMMENDED PUMPING RATE: 0005 GPM | | |



FINAL STATUS OF WELL

WATER SUPPLY
 OBSERVATION WELL
 TEST HOLE
 RECHARGE WELL

WATER USE

DOMESTIC
 STOCK
 IRRIGATION
 INDUSTRIAL
 OTHER

METHOD OF DRILLING

CABLE TOOL
 ROTARY (CONVENTIONAL)
 ROTARY (REVERSE)
 ROTARY (AIR)
 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank House** LICENCE NUMBER: **2203**
 ADDRESS: _____
 NAME OF DRILLER OR BORER: _____ LICENCE NUMBER: _____
 SIGNATURE OF CONTRACTOR: _____ SUBMISSION DATE: **24** MO. **8** YR. **71**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **2803** DATE RECEIVED: **260871**
 DATE OF INSPECTION: **29, 8, 72** INSPECTOR: **7**
 REMARKS: _____
 CSS.S8 P **2** WI **7**



WATER WELL RECORD

30 M/4E

Water management in Ontario

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

11

6808175

MUNICIP 68997

CON. CAN

05

COUNTY OR DISTRICT
WENTWORTH

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE
GLANFORD

CON., BLOCK, TRACT, SURVEY, ETC.
V

LOT 25-27
000

OUNT HOPE

DATE COMPLETED 05⁵³ 72
DAY 20 MO. MAY YR. 1972

78.320

ELEVATION 10760

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 |
| | TOP SOIL | | | 0 | 6 |
| BROWN | CLAY | | | 6 | 24 |
| BLUE | CLAY | | | 24 | 124 |
| GREY | LIMESTONE | | | 124 | 138 |

| | | | | |
|----|---------|---------|-----------|-----------|
| 31 | 0000 02 | 0024 05 | 0124 30 5 | 0138 21 5 |
| 32 | | | | |

41 WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER |
|---------------------|---|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|--------|
| 10-11 | 1 <input checked="" type="checkbox"/> STEEL | 188 | FROM 0 | TO 138 |
| 11-18 | 2 <input checked="" type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 0 | 0/25 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE | | 125 | 138 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 0/38 |

SCREEN

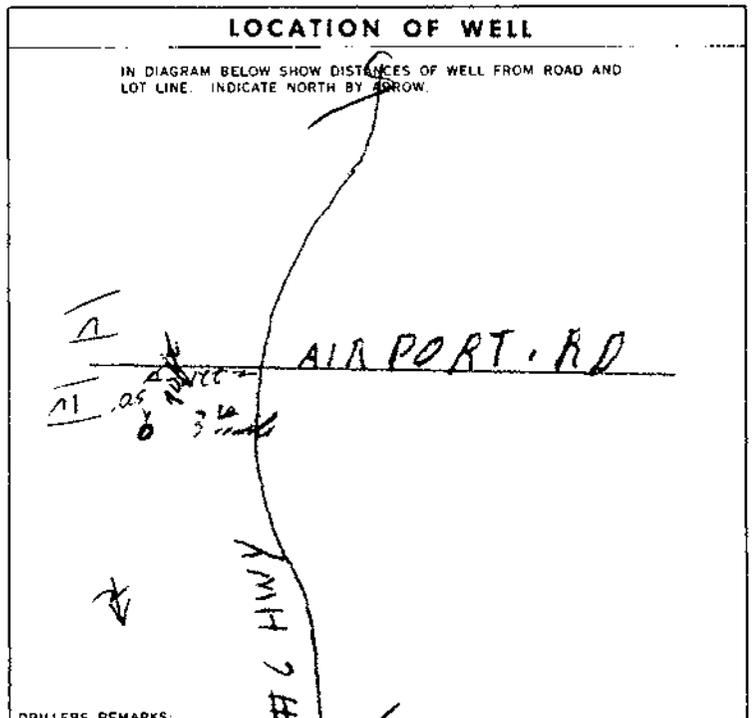
| SIZE(S) OF OPENING (SLOT NO. 1) | DIAMETER | LENGTH |
|---------------------------------|----------|------------------------|
| | | |
| MATERIAL AND TYPE | | DEPTH TO TOP OF SCREEN |
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------------------|-----------------------------------|
| FROM TO | | |
| 10-13 | 14-17 | |
| 18-21 | 22-25 | |
| 26-29 | 30-33 | 80 |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE | DURATION OF PUMPING |
|--|----------------------------|--|
| 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER | 0002 GPM | 02 HOURS 00 MINS. |
| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING |
| 045 FEET | 138 FEET | 15 MINUTES 118 FEET 30 MINUTES 103 FEET 45 MINUTES 090 FEET 60 MINUTES 080 FEET |
| IF FLOWING, GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| | | X CLEAR 2 <input type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE | RECOMMENDED PUMP SETTING | RECOMMENDED PUMPING RATE |
| <input type="checkbox"/> SHALLOW X DEEP | 135 FEET | 0002 GPM |
| 50-53 000.0 GPM / FT. SPECIFIC CAPACITY | | |



FINAL STATUS OF WELL

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

WATER USE

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 DRILLING

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

CONTRACTOR

NAME OF WELL CONTRACTOR: FRANK INCE
 LICENCE NUMBER: 2803
 ADDRESS: 175 ALDERCREST AVE. HAMILTON
 NAME OF DRILLER OR BORER: same
 LICENCE NUMBER: 2803
 SIGNATURE OF CONTRACTOR: Frank Ince
 SUBMISSION DATE: DAY 23 MO. 8 YR. 72

OFFICE USE ONLY

DATA SOURCE: 1
 CONTRACTOR: 2803
 DATE RECEIVED: 170872
 DATE OF INSPECTION: 5.4.73
 REMARKS:
 INSPECTOR: P 7
 WI



Ontario

WATER WELL RECORD

3am/4e

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

11 6809305 68007 CON 05

COUNTY OR DISTRICT: Wentworth TOWNSHIP, PARISH, CITY, TOWN, VILLAGE: GLANBROOK CON., BLOCK, TRACT, SURVEY, ETC.: 5 LOT: 009

DATE COMPLETED: 07 MO: 09 YR: 75

WELL NO.: 9077 ELEVATION: 4777908 RC: 4 BASIC CODE: 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| <u>Gray</u> | <u>clay</u> | | | <u>0</u> | <u>94</u> |
| <u>Gray</u> | <u>Limestone</u> | | | <u>94</u> | <u>110</u> |

31 0094205 0110215

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | |
|-----------------------|---|------------------------------------|------------------------------------|--|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | |
| 15-18 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | |
| 20-23 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | |
| 25-28 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | |
| 30-33 | 1 <input type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 4 <input type="checkbox"/> MINERAL | |

51 CASING & OPEN HOLE RECORD

| WELL DIA. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|------------------|--------------|-----------------------|--------------|-------------|
| | | | FROM | TO |
| <u>06 1/2</u> | <u>STEEL</u> | <u>1/8</u> | <u>0</u> | <u>0094</u> |
| <u>6 1/4</u> | <u>STEEL</u> | | | |
| <u>6 1/4</u> | <u>STEEL</u> | | | |
| <u>6 1/4</u> | <u>STEEL</u> | | | |

SCREEN

| SIZES OF OPENING (SLOT NO.) | DIAMETER | LENGTH |
|-----------------------------|----------|--------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT, LEAD PACKER, ETC. |
|---------------------|-------------------|---------------------------------|
| 10-12 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER

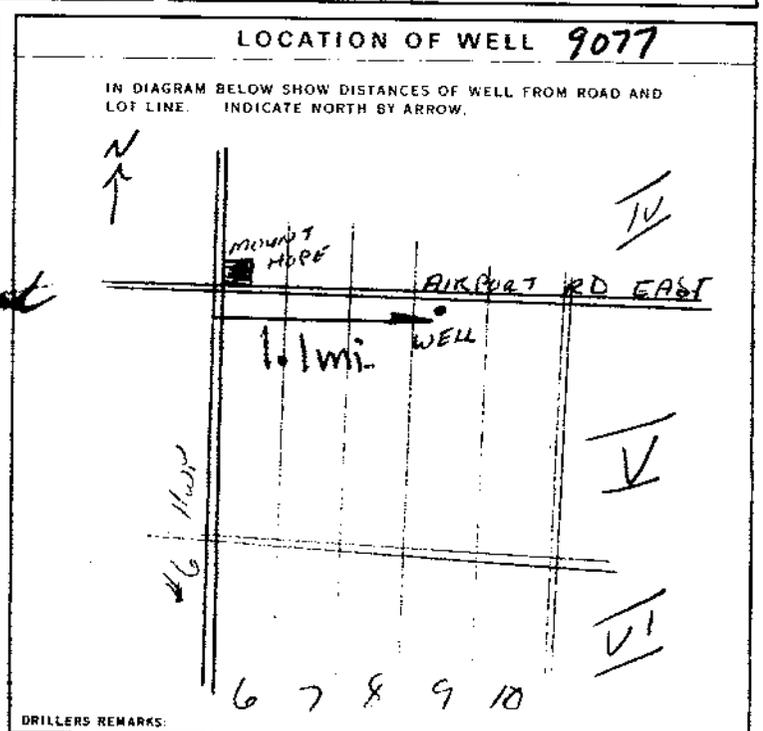
PUMPING RATE: 0000 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|--------------|----------------------------|---------------------|------------|------------|------------|
| <u>049</u> | <u>110</u> | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| | | <u>103</u> | <u>096</u> | <u>089</u> | <u>082</u> |

RECOMMENDED PUMP TYPE: DEEP

RECOMMENDED PUMP SETTING: 105 FEET



FINAL STATUS OF WELL: WATER SUPPLY

WATER USE: 01 DOMESTIC

METHOD OF DRILLING: 2 ROTARY (CONVENTIONAL)

CONTRACTOR: Wesley Rockham LICENCE NUMBER: 4208

NAME OF DRILLER OR BORER: Merwyn Rockham LICENCE NUMBER: 4207

SUBMISSION DATE: DAY 7 NO. 9 YR. 75

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4208 DATE RECEIVED: 300176

REMARKS: P/S
WI



Ontario

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

30m/4ft

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

11

6809329

MUNICIPALITY 68007

CON

04

| | | | |
|--|--|--|---|
| COUNTY OR DISTRICT WENTWORTH | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANBROOK | CON. BLOCK, TRACT, SURVEY, ETC. IV | DATE COMPLETED 05 03 MO MAY YR 25 |
| POINT HOPE P.O. | | ELEVATION 78300 | RC 4 BASIN CODE 24 |

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 4 |
| BROWN | CLAY | | | 4 | 26 |
| BLUE | CLAY | | | 26 | 101 |
| GREY | LIMESTONE | | | 101 | 106 |

| | | | | |
|----|---------|---------|---------|---------|
| 31 | 0004 02 | 0026605 | 0101365 | 0106215 |
|----|---------|---------|---------|---------|

41 WATER RECORD

| WATER FOUND FEET | KIND OF WATER |
|------------------|---|
| 0104 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAMETER INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|------------------------|---|-----------------------|--------------|-------|
| | | | FROM | TO |
| 6 7/8 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1 1/8 | 0 | 0102 |
| 6 1/2 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 20-23 |
| 4 1/2 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | | 27-30 |

SCREEN

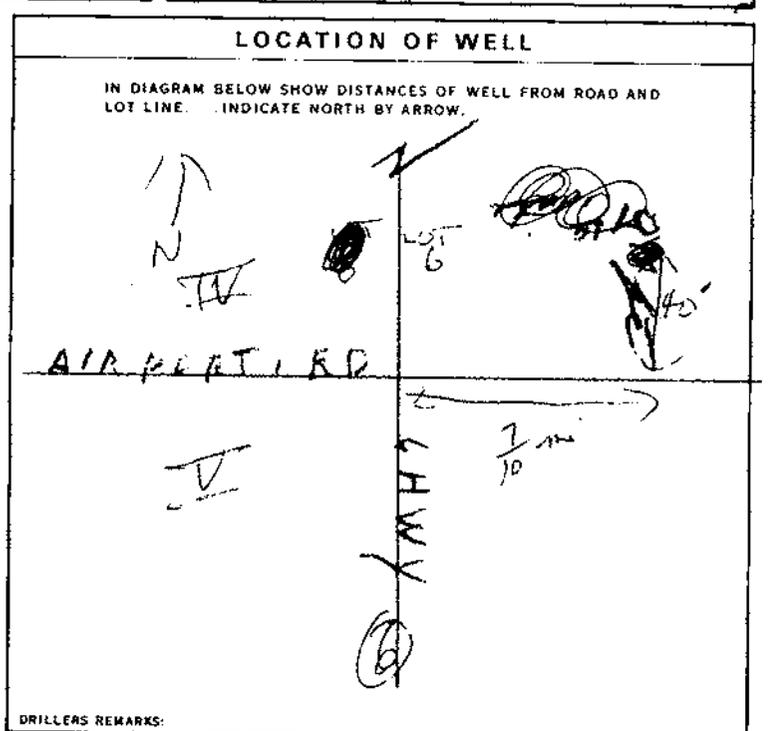
| | | |
|-------------------------------|-----------------------------|-------------|
| SIZE(S) OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET |
| | | |
| MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|-------------------|-----------------------------------|
| FROM TO | | |
| 10-13 | | |
| 18-21 | | |
| 26-29 | | |

71 PUMPING TEST

| | | |
|---|--|--|
| PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER | PUMPING RATE 0020 GPM | DURATION OF PUMPING 01 15:00 HOURS |
| STATIC LEVEL 061 FEET | WATER LEVEL END OF PUMPING 061 FEET | WATER LEVELS DURING PUMPING |
| 19-21 | 22-24 | 15 MINUTES 061 FEET |
| 26-28 | 29-31 | 30 MINUTES - FEET |
| 32-34 | 35-37 | 45 MINUTES - FEET |
| 38-41 | 42 | 60 MINUTES - FEET |
| IF FLOWING GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| | | 1 <input type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |
| RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING 090 FEET | RECOMMENDED PUMP 0005 GPM |



FINAL STATUS OF WELL

| | |
|---|---|
| 1 <input type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL | 6 <input type="checkbox"/> ABANDONED, POOR QUALITY |
| 3 <input type="checkbox"/> TEST HOLE | 7 <input type="checkbox"/> UNFINISHED |
| 4 <input type="checkbox"/> RECHARGE WELL | |

WATER USE

| | |
|--|--|
| 1 <input checked="" type="checkbox"/> DOMESTIC | 5 <input type="checkbox"/> COMMERCIAL |
| 2 <input type="checkbox"/> STOCK | 6 <input type="checkbox"/> MUNICIPAL |
| 3 <input type="checkbox"/> IRRIGATION | 7 <input type="checkbox"/> PUBLIC SUPPLY |
| 4 <input type="checkbox"/> INDUSTRIAL | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |
| 9 <input type="checkbox"/> OTHER | 9 <input type="checkbox"/> NOT USED |

METHOD OF DRILLING

| | |
|--|------------------------------------|
| 1 <input checked="" type="checkbox"/> CABLE TOOL | 6 <input type="checkbox"/> BORING |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |
| 3 <input type="checkbox"/> ROTARY (REVERSE) | 8 <input type="checkbox"/> JETTING |
| 4 <input type="checkbox"/> ROTARY (AIR) | 9 <input type="checkbox"/> DRIVING |
| 5 <input type="checkbox"/> AIR PERCUSSION | |

CONTRACTOR

| | |
|---|-------------------------------|
| NAME OF WELL CONTRACTOR Frank Ince | LICENCE NUMBER 2803 |
| ADDRESS 175 Aldershot Ave. Hamilton | |
| NAME OF DRILLER OR BORER | LICENCE NUMBER |
| SIGNATURE OF CONTRACTOR Frank Ince | SUBMISSION DATE |

OFFICE USE ONLY

| | | |
|---|------------|---------------|
| DATA SOURCE | CONTRACTOR | DATE RECEIVED |
| 1 | 2803 | 050476 |
| DATE OF INSPECTION July 28/77 | INSPECTOR | |
| REMARKS | | |

CSS.S8

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

6810237 MUNICIPAL 68.007 CON 04

COUNTY OR DISTRICT: WENT WORTH TOWNSHIP BOROUGH CITY, TOWN, VILLAGE: GHAMBROOK CON. BLOCK TRACT SURVEY ETC: 4679-4277 LOT: 009
 OWNER (SURNAME FIRST): [REDACTED] ADDRESS: 7380 AIRPORT RD. MOUNT HOPE DATE COMPLETED: 07 07 80
 ZONE: 17 EASING: 589.980 NORTHING: 4778000 RC: 4 ELEVATION: 0750 RC: 4 BASIN CODE: 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 5 |
| BROWN | CLAY | | | 5 | 20 |
| BLUE | CLAY | | | 20 | 89 |
| GREY | LIME ROCK | | | 89 | 96 |

30 0005 02 0020605 0089305 0096215

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 10-13 | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|----------|-----------------------|--------------|
| 10-11 | STEEL | 1.88 | 0-090 |
| 17-18 | STEEL | | 20-23 |
| 24-25 | STEEL | | 27-30 |

SCREEN

| SIZE OF OPENING (SECT NO.) | DIAMETER INCHES | LENGTH FEET |
|----------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| 10-13 | | |
| 18-23 | | |
| 24-29 | | |

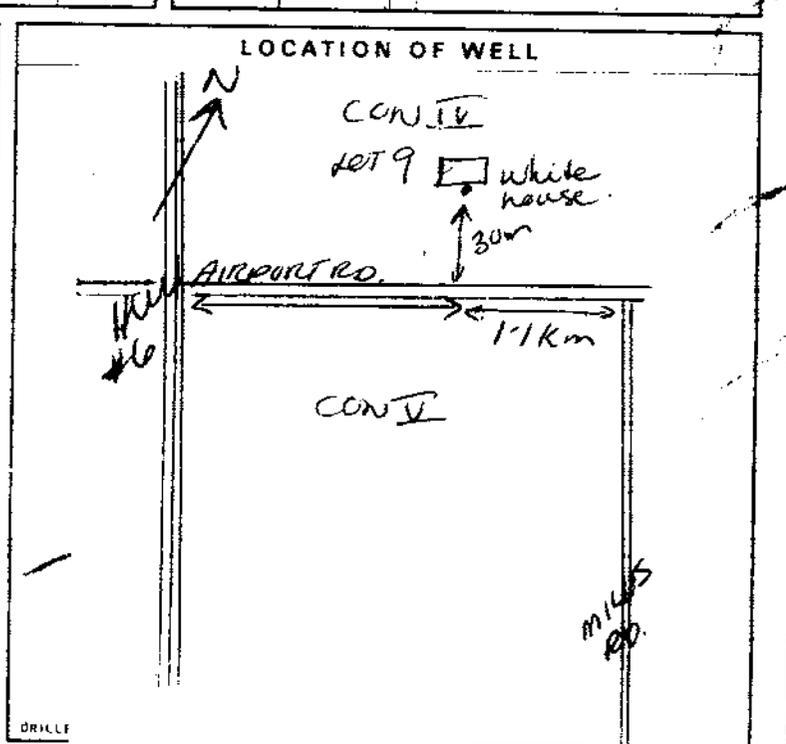
71 PUMPING TEST METHOD

1 PUMP 2 BAILER

PUMPING RATE: 20 GPM DURATION OF PUMPING: 01 HOURS 00 MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
|--------------|----------------------------|---|
| 056 | 080 | 15 MINUTES: 056 30 MINUTES: - 45 MINUTES: - 60 MINUTES: - |

RECOMMENDED PUMP TYPE: SHALLOW DEEP



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 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: Frank Jace LICENCE NUMBER: 2803 ADDRESS: 175 Aldercrest Ave. Hamilton

SIGNATURE OF CONTRACTOR: Frank Jace SUBMISSION DATE: DAY NO. YR.

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 2803 DATE: 070481

DATE OF INSPECTION: Inspector: Mays/87

REMARKS: CSS.S8

WATER WELL RECORD

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

11 6810238 68007 Cdn 04

COUNTY OR DISTRICT: WENTWORTH
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: GLANBROOK
CON. BLOCK, TRACT, SURVEY ETC: H
LOT: 009
DATE COMPLETED: 06 26 80
DAY: 30
NO: 78020
ELEVATION: 0750
BASIN CODE: 24

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | FROM | TO |
| | TOP SOIL | | | 0 | 6 |
| | BROWN CLAY | | | 6 | 22 |
| | BLUE CLAY | | | 22 | 89 |
| | GREY LIMESTONE | | | 89 | 99 |

31 0006 02 0022605 0089305 0099215

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 009.5 | <input checked="" type="checkbox"/> FRESH <input checked="" type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | ALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|----------|----------------------|--------------|
| 10-11 | STEEL | 1/8" | 0-109.0 |
| 17-18 | STEEL | | 20-23 |
| 24-25 | STEEL | | 27-30 |

SCREEN

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

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| 10-13 | | |
| 18-21 | | |
| 24-29 | | |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER

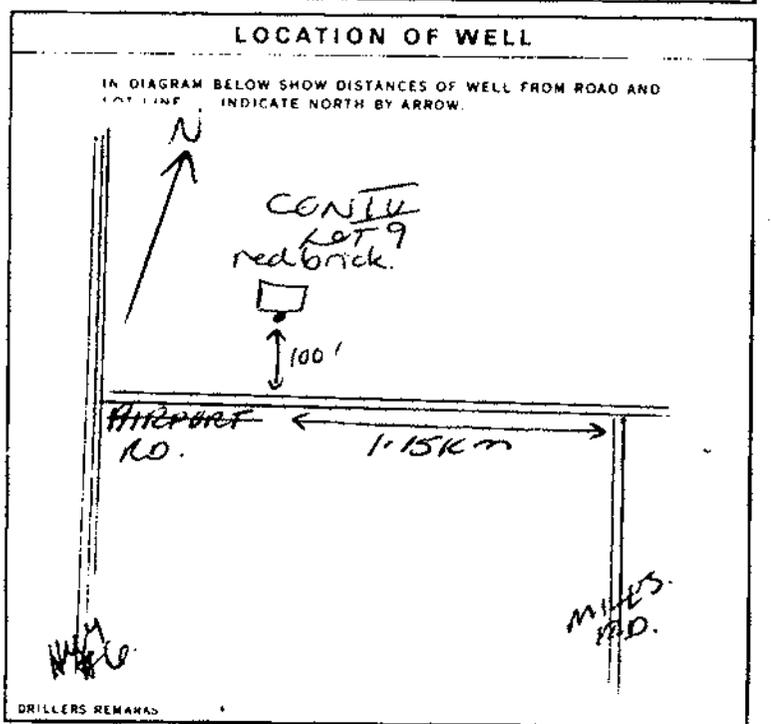
PUMPING RATE: 001.5 GPM

DURATION OF PUMPING: 01 HOURS 00 MIN

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING |
|--------------|----------------------------|-----------------------------|
| 06.4 | 08.8 | 06.4 |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 09.5 FEET



FINAL STATUS OF WELL: 1

WATER USE: 01

METHOD OF DRILLING: 1

CONTRACTOR: Frank Lane, 175 Aldercrest Ave. Hamilton, Licence Number: 2803

NAME OF DRILLER OR BORER: [Signature], Licence Number: [Blank]

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: [Blank]

OFFICE USE ONLY

DATA SOURCE: 1

CONTRACTOR: 2803

DATE OF INSPECTION: [Blank]

INSPECTOR: [Signature]

REMARKS: [Blank]

CSS.S8

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

11 6810369 68.007 CQN 05
 COUNTY OR DISTRICT: WENTWORTH TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: CLANBROOK CON. BLOCK, TRACT, SURVEY ETC: 5 LOT: 23-27
 DATE COMPLETED: 008 DAY: 18 MONTH: 08 YEAR: 81
 ELEVATION: 777.980 4 0.750 4 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| | TOPSOIL | | | 0 | 4 |
| BROWN | CLAY | | | 4 | 20 |
| BLUE | CLAY | | | 20 | 95 |
| BROWN | SHALE ROCK | | | 95 | 96 |
| GRAY | LIME ROCK | | | 96 | 132 |

31 0004 02 0020605 0095305 009661712 0132215
 32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 10-13 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|--|-----------------------|--------------|
| 10-11 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | 1/8 | 0-13.16 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 20-25 |
| 26-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE | | 27-30 |

SCREEN

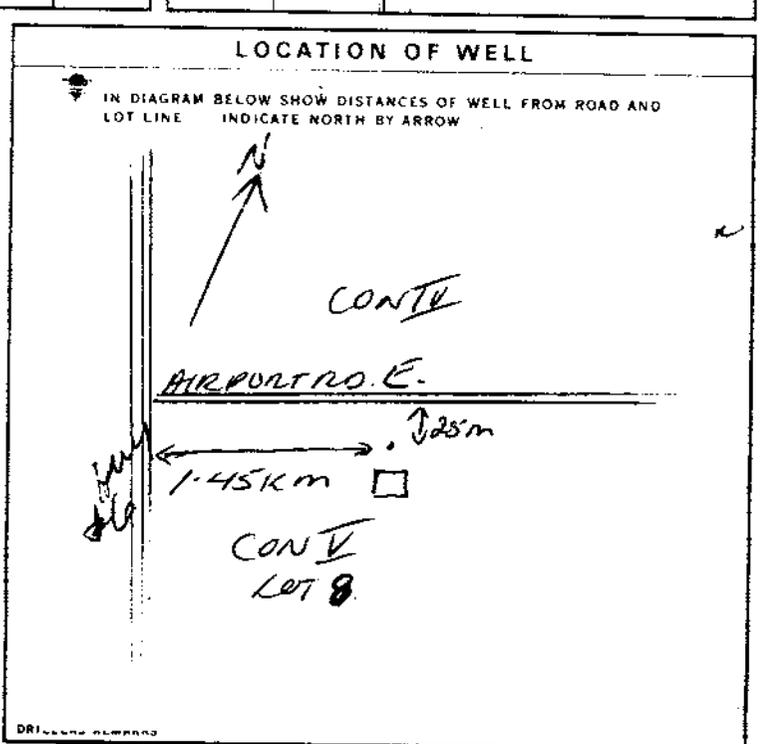
| SIZE/NO. OF OPENING | DIAMETER | LENGTH |
|---------------------|----------|--------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE |
|---------------------|-------------------|
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST METHOD

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | RECOMMENDED PUMP TYPE |
|--------------|----------------------------|-------------------------------------|--|
| 072 FEET | 132 FEET | 128 FEET 124 FEET 120 FEET 116 FEET | 1 <input checked="" type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP |



FINAL STATUS OF WELL: 1

WATER USE: 01

METHOD OF DRILLING: 1

CONTRACTOR: Frank Jones, 2803, 175 Aldercrest Ave. Hamilton

SIGNATURE OF CONTRACTOR: Frank Jones, SUBMISSION DATE: 12 APRIL 82

OFFICE USE ONLY: DATA SOURCE: 1, CONTRACTOR: 2803, DATE: 15 04 82, DATE OF INSPECTION: May 25/82, INSPECTOR: [Signature], REMARKS: [Blank], CSS.S8

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

11

6811472

MUNICIPALITY 68007

CON

COUNTY OR DISTRICT: Wentworth TOWNSHIP/BOROUGH/CITY/TOWN/VILLAGE: Glenn Brook CON. BLOCK/TRACT/SURVEY ETC: 4 LOT: 7
8350 Airport Rd DATE COMPLETED: DAY 19 MO 7 YR 88

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|-------------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| | <u>Topsoil</u> | | | <u>0</u> | <u>3</u> |
| | <u>Brown Clay</u> | | | <u>3</u> | <u>22</u> |
| | <u>Blue Clay</u> | | | <u>22</u> | <u>118</u> |
| | <u>Corey shale Rock</u> | | | <u>118</u> | <u>120</u> |

31
32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | 10-13 | 14-18 | 19-23 | 24-28 | 29-33 |
|-----------------------|---|---|--|--|--|--|
| <u>120</u> | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL TH. GAGES INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|------------|
| | | | FROM | TO |
| <u>6 1/4</u> | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | <u>188</u> | <u>0</u> | <u>120</u> |

SCREEN

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

61 PLUGGING & SEALING RECORD

| DEPTH SET AT FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|-------------------|-------------------|-------------------------------|
| | | |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER
 PUMPING RATE: 20 GPM
 DURATION OF PUMPING: 2 HOURS
 STATIC LEVEL: 55 FEET
 WATER LEVEL END OF PUMPING: 105 FEET
 WATER LEVELS DURING PUMPING:
 15 MINUTES: 55 FEET
 30 MINUTES: — FEET
 45 MINUTES: — FEET
 60 MINUTES: — FEET
 PUMP INTAKE SET AT: 105 FEET
 WATER AT END OF TEST: CLEAR CLOUDY
 RECOMMENDED PUMP TYPE: SHALLOW DEEP
 RECOMMENDED PUMP SETTING: 105 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.

670 ft OFF
AIR Port Rd.
20077

DRILLERS REMARKS: Hwy #6

FINAL STATUS OF WELL

WATER SUPPLY ABANDONED - INSUFFICIENT SUPPLY
 OBSERVATION WELL ABANDONED - POOR QUALITY
 TEST HOLE UNFINISHED
 RECHARGE WELL DEWATERING

WATER USE

DOMESTIC COMMERCIAL
 STOCK MUNICIPAL
 IRRIGATION PUBLIC SUPPLY
 INDUSTRIAL COOLING OR AIR CONDITIONING
 OTHER NOT USED

METHOD OF CONSTRUCTION

CABLE TOOL BORING
 ROTARY (CONVENTIONAL) DIAMOND
 ROTARY (REVERSE) JETTING
 ROTARY (AIR) DRIVING
 AIR PERCUSSION DIGGING OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Frank Vance WELL CONTRACTOR'S LICENCE NUMBER: 2803
 ADDRESS: 175 Alder Crest Ave.
 NAME OF WELL TECHNICIAN: Frank Vance WELL TECHNICIAN'S LICENCE NUMBER: 10358
 SIGNATURE OF TECHNICIAN/CONTRACTOR: Frank Vance SUBMISSION DATE: DAY 2 MO 8 YR 88

OFFICE USE ONLY

DATA SOURCE: 2803 CONTRACTOR: 2803 DATE RECEIVED: AUG 17 1988
 DATE OF INSPECTION: _____ INSPECTOR: _____
 REMARKS: _____



WATER WELL RECORD

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

11

6811559

MUNICIPALITY 68007

CON. 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

COUNTY OR DISTRICT *Hamilton* TOWNSHIP BOROUGH CITY TOWN VILLAGE *Clambrook* CON. BLOCK TRACT SURVEY ETC *5* LOT *8*

DATE COMPLETED *21* DAY *9* MO *88* YR

NG _____ BC _____ 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 |
| | <i>Topsoil</i> | | | <i>0</i> | <i>2</i> |
| | <i>Brown Clay</i> | | | <i>2</i> | <i>15</i> |
| | <i>Blue Clay</i> | | | <i>15</i> | <i>100</i> |
| | <i>Grey shale Rock</i> | | | <i>100</i> | <i>104</i> |

31 _____ 32 _____

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | | | |
|-----------------------|---|--------------------------------|----------------------------------|-----------------------------------|------------------------------|--|
| <i>102</i> | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS | <input type="checkbox"/> GAS | |
| | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS | <input type="checkbox"/> GAS | |
| | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS | <input type="checkbox"/> GAS | |
| | <input type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS | <input type="checkbox"/> GAS | |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|------------|
| | | | FROM | TO |
| <i>6 1/4</i> | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | <i>188</i> | <i>0</i> | <i>102</i> |
| | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | | | |
| | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC | | | |

SCREEN

| SIZE OF OPENING | DIAMETER | LENGTH |
|-----------------|----------|--------|
| | | |

MATERIAL AND TYPE _____ DEPTH TO TOP OF SCREEN _____ FEET

61 PLUGGING & SEALING RECORD

| DEPTH SET AT | MATERIAL AND TYPE | CEMENT GROUT |
|--------------|-------------------|--------------|
| | | |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER

PUMPING RATE: _____ GPM

DURATION OF PUMPING: _____ HOURS _____ MINS

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING | | | |
|----------------|----------------------------|-----------------------------|-----------|-----------|-----------|
| <i>70</i> FEET | <i>84</i> FEET | 15 MINUTS | 30 MINUTS | 45 MINUTS | 60 MINUTS |
| | | <i>60</i> FEET | | | |

IF FLOWING, GIVE RATE: _____ GPM

PUMP INTAKE SET AT: *100* FEET

WATER AT END OF TEST: CLEAR CLOUDY

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: *100* 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.

36934

FINAL STATUS OF WELL

WATER SUPPLY ABANDONED INSUFFICIENT SUPPLY
 OBSERVATION WELL ABANDONED POOR QUALITY
 TEST HOLE UNFINISHED
 RECHARGE WELL DEWATERING

WATER USE

DOMESTIC COMMERCIAL
 STOCK MUNICIPAL
 IRRIGATION PUBLIC SUPPLY
 INDUSTRIAL COOLING OR AIR CONDITIONING
 OTHER NOT USED

METHOD OF CONSTRUCTION

CABLE TOOL BORING
 ROTARY (CONVENTIONAL) DIAMOND
 ROTARY (REVERSE) JETTING
 POTARY (AIR) DRIVING
 AIR PERCUSSION DIGGING OTHER

NAME OF WELL CONTRACTOR: *Frank Vance* WELL CONTRACTOR'S LICENSE NUMBER: *2803*

ADDRESS: *175 Aldercrest Ave.*

NAME OF WELL TECHNICIAN: *Frank Vance* WELL TECHNICIAN'S LICENSE NUMBER: *10358*

SIGNATURE OF TECHNICIAN/CONTRACTOR: _____ SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: *2803* CONTRACTOR: *2803* DATE RECEIVED: *NOV 02 1988*

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

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

11

6811750

MUNICIPALITY 68007

CON. 104

104

COUNTY OR DISTRICT: Windsor-Essex TOWNSHIP BOROUGH CITY TOWN VILLAGE: Colborne
 CON. BLOCK TRACT SURVEY ETC.: 10 LOT: 25-27
 DATE COMPLETED: DAY 8 MO 7 YR 89
 DRILLER: Dunkirk Dr Hamilton

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|-----------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| | <u>Topsoil</u> | | | <u>0</u> | <u>2</u> |
| | <u>Brown clay</u> | | | <u>2</u> | <u>18</u> |
| | <u>Blue clay</u> | | | <u>18</u> | <u>81</u> |
| | <u>Grey Limestone</u> | | | <u>81</u> | <u>111</u> |

31
32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | |
|-----------------------|---|----------------------------------|-----------------------------------|
| <u>90-111</u> | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS |
| | <input type="checkbox"/> SALTY | <input type="checkbox"/> GAS | |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|--------------|
| <u>6 1/4</u> | <input checked="" type="checkbox"/> STEEL | <u>1/8</u> | <u>0-82</u> |
| | <input type="checkbox"/> GALVANIZED | | |
| | <input type="checkbox"/> CONCRETE | | |
| | <input type="checkbox"/> OPEN HOLE | | |
| | <input type="checkbox"/> PLASTIC | | |

SCREEN

SIZE OF OPENING (SLOT NO.): 31-33 DIAMETER: 34-38 LENGTH: 39-40
 MATERIAL AND TYPE: _____ INCHES: _____ FEET: _____
 DEPTH TO TOP OF SCREEN: 41-44 FEET: 10

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT / LEAD PACKER ETC. |
|---------------------|-------------------|---------------------------------|
| <u>10-13</u> | <u>18-17</u> | |
| <u>18-21</u> | <u>22-25</u> | |
| <u>26-28</u> | <u>30-33</u> | <u>80</u> |

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILEY
 PUMPING RATE: 1 GPM
 DURATION OF PUMPING: 2 HOURS
 STATIC LEVEL: 40 FEET
 WATER LEVEL END OF PUMPING: 111 FEET
 WATER LEVELS DURING:
 15 MINUTES: 95 FEET
 30 MINUTES: 83 FEET
 45 MINUTES: 74 FEET
 60 MINUTES: 68 FEET
 PUMP INTAKE SET AT: 110 FEET
 WATER AT END OF TEST: 1 CLEAR CLOUDY
 RECOMMENDED PUMP TYPE: SHALLOW DEEP
 RECOMMENDED PUMP SETTING: 110 FEET
 RECOMMENDED PUMPING RATE: 1 GPM

LOCATION OF WELL

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

8 1/2 King

42300

DRILLERS REMARKS: _____

FINAL STATUS OF WELL

WATER SUPPLY ABANDONED, INSUFFICIENT SUPPLY
 OBSERVATION WELL ABANDONED POOR QUALITY
 TEST HOLE UNFINISHED
 RECHARGE WELL DEWATERING

WATER USE

DOMESTIC COMMERCIAL
 STOCK MUNICIPAL
 IRRIGATION PUBLIC SUPPLY
 INDUSTRIAL COOLING OR AIR CONDITIONING
 OTHER NOT USED

METHOD OF CONSTRUCTION

CABLE TOOL BORING
 ROTARY (CONVENTIONAL) DIAMOND
 ROTARY (REVERSE) JETTING
 ROTARY (AIR) DRIVING
 AIR PERCUSSION DIGGING OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Frank Lane WELL CONTRACTOR'S LICENCE NUMBER: 2803
 ADDRESS: 175 Aldercrest Ave
 NAME OF WELL TECHNICIAN: Frank Lane WELL TECHNICIAN'S LICENCE NUMBER: 10358
 SIGNATURE OF TECHNICIAN/CONTRACTOR: Frank Lane SUBMISSION DATE: DAY 1 NO 9 YR 89

OFFICE USE ONLY

DATA SOURCE: 2803 DATE RECEIVED: SEP 07 1989
 DATE OF INSPECTION: _____ INSPECTOR: _____
 REMARKS: _____

CSS.ES

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

11

6812575

MUNICIPALITY 68007

CON. CON.

05

COUNTY OR DISTRICT: *Wellington* TOWNSHIP BOROUGH CITY TOWN VILLAGE: *Chesham (Glanford)* CON. BLOCK TRACT SURVEY ETC.: *V* LOT: *10*

DATE COMPLETED: *48-53* DAY: *1* NO: *Dec* YR: *94*

ADDRESS: *2065 Airport Rd. Mount Hope*

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|------------|
| | | | | FROM | TO |
| <i>Brown</i> | <i>clay</i> | | | <i>0</i> | <i>10</i> |
| <i>Grey</i> | <i>clay</i> | | | <i>10</i> | <i>94</i> |
| <i>Grey</i> | <i>limestone</i> | | | <i>94</i> | <i>110</i> |

31

32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER | | | | | |
|-----------------------|---|--------------------------------|----------------------------------|-----------------------------------|------------------------------|--|
| <i>98</i> | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS | <input type="checkbox"/> GAS | |
| <i>105</i> | <input checked="" type="checkbox"/> FRESH | <input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR | <input type="checkbox"/> MINERALS | <input type="checkbox"/> GAS | |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|------------|
| <i>6 1/4</i> | <input checked="" type="checkbox"/> STEEL | <i>188</i> | <i>0</i> | <i>94</i> |
| <i>6 1/4</i> | <input checked="" type="checkbox"/> STEEL | | <i>94</i> | <i>110</i> |

SCREEN

| SIZE OF OPENING SLOT NO. 1 | DIAMETER INCHES | LENGTH FEET |
|----------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|-------------------|-------------------|-------------------------------|
| | | |

71 PUMPING TEST

PUMPING TEST METHOD: AIR PUMP BAILER

PUMPING RATE: *2 1/2* GPM

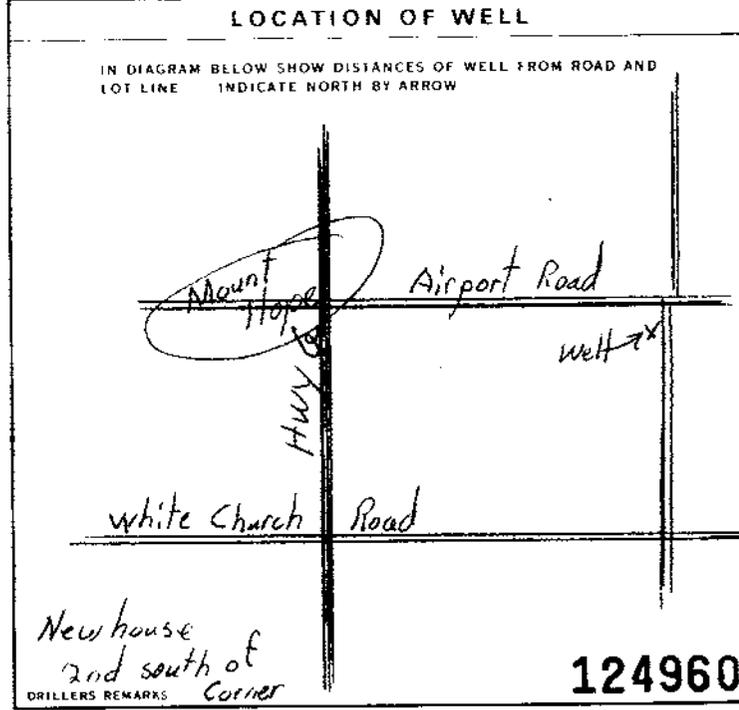
DURATION OF PUMPING: *1* HOURS *0* MIN.

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | | | |
|----------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <i>65</i> FEET | <i>110</i> FEET | 15 MINUTES: <i>90</i> FEET | 30 MINUTES: <i>84</i> FEET | 45 MINUTES: <i>86</i> FEET | 60 MINUTES: <i>84</i> FEET |

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: *105* FEET

RECOMMENDED PUMPING RATE: *2 1/2* GPM



FINAL STATUS OF WELL

WATER SUPPLY OBSERVATION WELL TEST HOLE RECHARGE WELL

ABANDONED INSUFFICIENT SUPPLY ABANDONED POOR QUALITY UNFINISHED DEWATERING

WATER USE

DOMESTIC STOCK IRRIGATION INDUSTRIAL OTHER

COMMERCIAL MUNICIPAL PUBLIC SUPPLY COOLING OR AIR CONDITIONING NOT USED

METHOD OF CONSTRUCTION

CABLE TOOL ROTARY (CONVENTIONAL) ROTARY (REVERSE) ROTARY (AIR) AIR PERCUSSION

BORING DIAMOND JETTING DRIVING DIGGING OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: *Packham Well Drilling Inc.* WELL CONTRACTOR'S LICENCE NUMBER: *4207*

ADDRESS: *RR # 2 Ancaster Ontario*

NAME OF WELL TECHNICIAN: *Mervyn Packham* WELL TECHNICIAN'S LICENCE NUMBER: *10058*

SIGNATURE OF TECHNICIAN/CONTRACTOR: *Mervyn Packham* SUBMISSION DATE: DAY *1* NO *Dec* YR *94*

OFFICE USE ONLY

DATE RECEIVED: *FEB 13 1995*

CONTRACTOR: *4207*

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

6812846

Municipality: 68007 Con. 051

| | | | |
|--------------------|--|---|-----------------|
| County or District | Township/Borough/City/Town/Village Glanbrook | Con block tract survey, etc. Conc. 5 Glanford | Lot 9 |
| Address | | Date completed 2 July 1997 | |

| | | | | | | | |
|----------|----|-----------|----|------------|----|-----|----|
| 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 | To | From | To |
| Brown | Clay | | | | 0 | 21 |
| Grey | Clay | Sand | | | 21 | 105 |
| Grey | Limestone | | | | 105 | 110 |

31
32

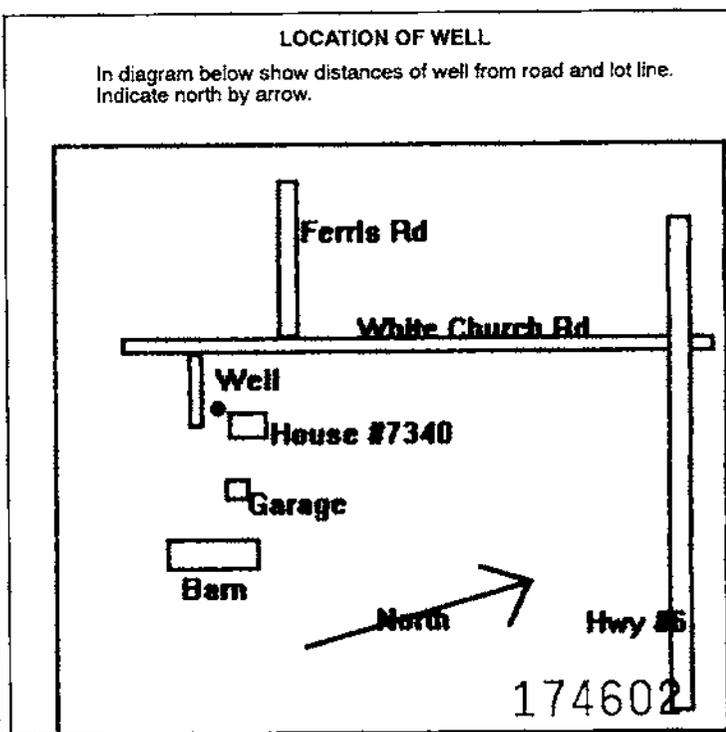
| WATER RECORD | |
|-----------------------|---|
| Water found at - feet | Kind of water |
| 107 | <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur Minerals <input type="checkbox"/> Gas |

| CASING & OPEN HOLE RECORD | | | | |
|---------------------------|---|-----------------------|--------------|-----|
| Inside diam inches | Material | Wall thickness inches | Depth - feet | |
| | | | From | To |
| 6.25 | Steel Galvanized Concrete Open hole Plastic | 0.188 | +1 | 105 |
| 6 | Steel Galvanized Concrete Open hole Plastic | | 105 | 110 |

| | | |
|-----------------------------|-----------------|-----------------------------|
| Sizes of opening (Slot No.) | Diameter inches | Length feet |
| Material and type | | Depth at top of screen feet |

| PLUGGING & SEALING RECORD | | |
|--|----|---|
| <input type="checkbox"/> Annular space | | <input type="checkbox"/> Abandonment |
| Depth set at - feet | | Material and type (Cement grout, bentonite, etc.) |
| From | To | |
| | | |

| | | |
|--|---|---|
| Pumping test method <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailor | Pumping rate 6 GPM | Duration of pumping 0 hours 30 mins |
| Static level 52 feet | Water level end of pumping 105 feet | Water levels during Pumping |
| | 15 minutes 105 feet | 30 minutes 105 feet |
| | 45 minutes feet | 60 minutes feet |
| If flowing give rate GPM | Pump intake set at feet | Water at end of test <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy |
| Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep | Recommended pump setting 105 feet | Recommended pump rate 5 GPM |



| | |
|---|--|
| FINAL STATUS OF WELL | |
| <input checked="" type="checkbox"/> Water supply <input type="checkbox"/> Observation well <input type="checkbox"/> Test hole <input type="checkbox"/> Recharge well | <input type="checkbox"/> Abandoned, insufficient supply <input type="checkbox"/> Abandoned, poor quality <input type="checkbox"/> Abandoned (Other) <input type="checkbox"/> Dewatering <input type="checkbox"/> Unfinished <input type="checkbox"/> Replacement well |
| WATER USE | |
| <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial | <input type="checkbox"/> Commercial <input type="checkbox"/> Municipal <input type="checkbox"/> Public supply <input type="checkbox"/> Cooling & air conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Other |
| METHOD OF CONSTRUCTION | |
| <input type="checkbox"/> Cable tool <input type="checkbox"/> Rotary (conventional) <input type="checkbox"/> Rotary (reverse) <input type="checkbox"/> Rotary (air) | <input checked="" type="checkbox"/> Air percussion <input type="checkbox"/> Boring <input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <input type="checkbox"/> Other |

| | | | | | |
|--|--|--------------------|-------------|---------------------------|-------------------------------------|
| Name of Well Contractor O'Connor Well Drilling Ltd | Well Contractor's Licence No. 4005 | MINISTRY USE ONLY | Data source | Contractor 4005 | Date received MAY 23 1997 |
| Address RR #1 Millgrove, Ont., L0R-1V0 | Well Technician's Licence No. T-0148 | Date of inspection | Inspector | Remarks | |
| Signature of Well Contractor <i>John O'Connor</i> | Submission date day mo yr | CSS. S | | | |

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

6812866

Municipality 68007 Con 04

| | | | |
|--|---|--|----------|
| Country or District | Township/Borough/City/Town/Village Glanbrook | Con block, tract, survey, etc. IV | Lot 9 |
| Address 7220 Airport Rd Mount Hope Ont. | | Date completed 17 Mar 97 day month year | |
| Northing | | Easting | |
| Lot | | Basin Code | |

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

| General colour | Most common material | Other materials | General description | Depth - feet | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | From | To |
| Brown | clay | | | 0 | 15 |
| Grey | clay | | | 15 | 81 |
| Grey | limestone | | | 81 | 105 |

41 WATER RECORD

| Water found at - feet | Kind of water |
|-----------------------|--|
| 95 | <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas |

51 CASING & OPEN HOLE RECORD

| Inside diam inches | Material | Wall thickness inches | Depth - feet | |
|--------------------|---|-----------------------|--------------|-----|
| | | | From | To |
| 6 1/4 | <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic | 188 | 0 | 81 |
| 6 | <input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Open hole <input type="checkbox"/> Plastic | | 81 | 105 |

SCREEN

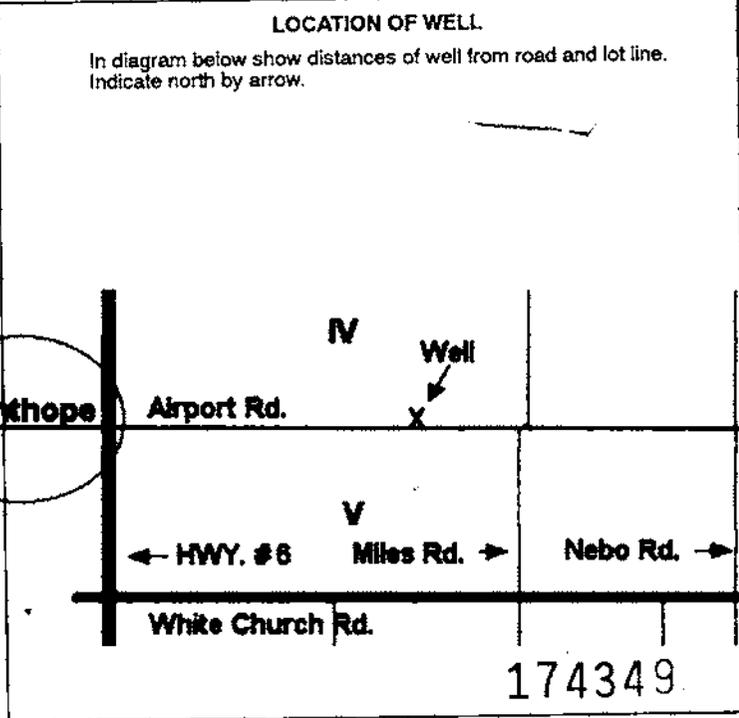
| Sizes of opening (Slot No.) | Diameter inches | Length feet |
|-----------------------------|-----------------|-----------------------------|
| | | |
| Material and type | | Depth at top of screen feet |

61 PLUGGING & SEALING RECORD

| Depth set at - feet | | Material and type (Cement grout, bentonite, etc.) |
|---------------------|-------|---|
| From | To | |
| 16 15 | 15 17 | |
| 18 21 | 22 25 | |
| 26 29 | 30 35 | |

71 PUMPING TEST

| | | |
|--|--|---|
| Pumping test method <input checked="" type="checkbox"/> Pump | Pumping rate 1 GPM | Duration of pumping 0 Hours 0 Mins |
| Static level 40 feet | Water level end of pumping 105 feet | Water levels during |
| | 15 minutes 95 feet | 30 minutes 85 feet |
| | 45 minutes 76 feet | 60 minutes 67 feet |
| If flowing give rate GPM | Pump intake set at feet | Water at end of test <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy |
| Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep | Recommended pump setting 100 feet | Recommended pump rate 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

Name of Well Contractor
Packham Well Drilling Inc

Well Contractor's Licence No.
4207

Address
RR #2 Ancaster Ontario

Name of Well Technician
Merryn Packham

Well Technician's Licence No.
10058

Signature of Technician/Contractor
Merryn Packham

Submission date
day mo yr

MINISTRY USE ONLY

Data source
4207

Contractor
4207

Date received
JUN 27 1997

Date of inspection
Inspector

Remarks

CSS. S

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

6812962

Municipality 68007 Con

04

| | | | |
|-------------------------------|--|---|----------|
| County or District | Township/Borough/City/Town/Village Mount Hope | Con block tract survey, etc. 4 | Lot 9 |
| Address 7290 Airport Rd E. | | Date completed 29 07 98 day month year | |

| General colour | Most common material | Other materials | General description | Depth - feet | |
|----------------|----------------------|-----------------|---------------------|--------------|----|
| | | | | From | To |
| | Top Soil | | | 0 | 2 |
| Brown | Clay | | | 2 | 17 |
| Blue | Clay | | | 17 | 50 |
| Brown | Sandy Clay | | | 50 | 81 |
| Brown | Stoney Hard Pan | | | 81 | 84 |
| Grey | Lime Rock | | | 8 | 90 |

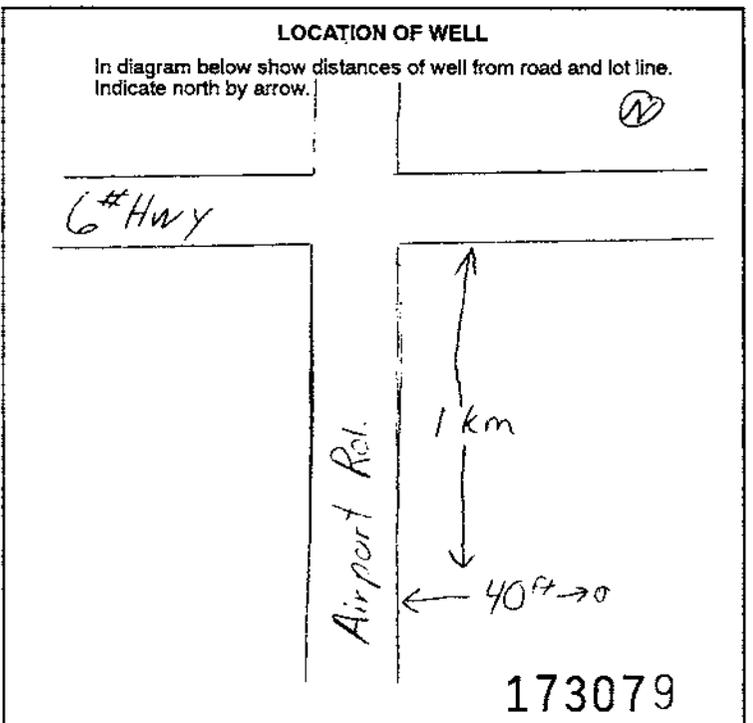
| Water found at - feet | Kind of water |
|-----------------------|---|
| 87 | <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas |

| Inside diam inches | Material | Wall thickness inches | Depth - feet | |
|--------------------|----------|-----------------------|--------------|--------|
| | | | From | To |
| 6 1/4 | Steel | .188 | 0 | 84 1/2 |

| SCREEN | Sizes of opening (Slot No.) | Diameter | Length |
|--------|-----------------------------|----------|--------|
| | | inches | feet |
| | | | |

| PLUGGING & SEALING RECORD | |
|--|---|
| <input type="checkbox"/> Annular space | <input type="checkbox"/> Abandonment |
| Depth set at - feet | Material and type (Cement grout, bentonite, etc.) |
| From To | |

| | | |
|--|---------------------------------------|--|
| Pumping test method <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailor | Pumping rate 2 GPM | Duration of pumping 4 Hours |
| Static level 45 feet | Water level end of pumping 89 feet | Water levels during Pumping |
| | | 15 minutes: 75 feet 30 minutes: 60 feet 45 minutes: 50 feet 60 minutes: 45 feet |
| If flowing give rate | Pump intake set at 89 feet | Water at end of test <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy |
| Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep | Recommended pump setting 89 feet | Recommended pump rate 2 GPM |



| FINAL STATUS OF WELL | |
|---|---|
| <input type="checkbox"/> Water supply | <input type="checkbox"/> Abandoned, insufficient supply |
| <input type="checkbox"/> Observation well | <input type="checkbox"/> Abandoned, poor quality |
| <input type="checkbox"/> Test hole | <input type="checkbox"/> Abandoned (Other) |
| <input type="checkbox"/> Recharge well | <input type="checkbox"/> Dewatering |
| <input type="checkbox"/> Unfinished | <input type="checkbox"/> Replacement well |

| WATER USE | |
|--|---|
| <input checked="" type="checkbox"/> Domestic | <input type="checkbox"/> Commercial |
| <input type="checkbox"/> Stock | <input type="checkbox"/> Municipal |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Public supply |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Coating & air conditioning |
| <input type="checkbox"/> Not used | <input type="checkbox"/> Other |

| METHOD OF CONSTRUCTION | |
|--|---|
| <input checked="" type="checkbox"/> Cable tool | <input type="checkbox"/> Air percussion |
| <input type="checkbox"/> Rotary (conventional) | <input type="checkbox"/> Boring |
| <input type="checkbox"/> Rotary (reverse) | <input type="checkbox"/> Diamond |
| <input type="checkbox"/> Rotary (air) | <input type="checkbox"/> Jetting |
| <input type="checkbox"/> Driving | <input type="checkbox"/> Digging |
| <input type="checkbox"/> Other | |

| | |
|--|---|
| Name of Well Contractor Kevin Pace | Well Contractor's Licence No. 7019 |
| Address 175 Aldercrest Ave Hamilton Ont. | |
| Name of Well Technician Kevin Pace | Well Technician's Licence No. T-2497 |
| Signature of Technician/Contractor Kevin Pace | Submission date 1 1 98 |

| | | | |
|-------------------|--------------------|------------------|------------------------------|
| MINISTRY USE ONLY | Data source | Contract 7019 | Date received MAR 20 1998 |
| | Date of inspection | Inspector | |
| | Remarks | | |

UTM 12 5R 0749E
 Elev. 9R 0749
 Basin 29 ONT
207 6



GROUND WATER BRANCH
 68 No 3950
 NOV 20 1958
 ONTARIO WATER RESOURCES COMMISSION

The Water-well Drillers Act, 1954
 Department of Mines

Water-Well Record

County or Territorial District Wentworth Township, Village, Town or City Glanford
 Address Mount Hope
 Date completed (day) (month) (year)

Pipe and Casing Record

Pumping Test

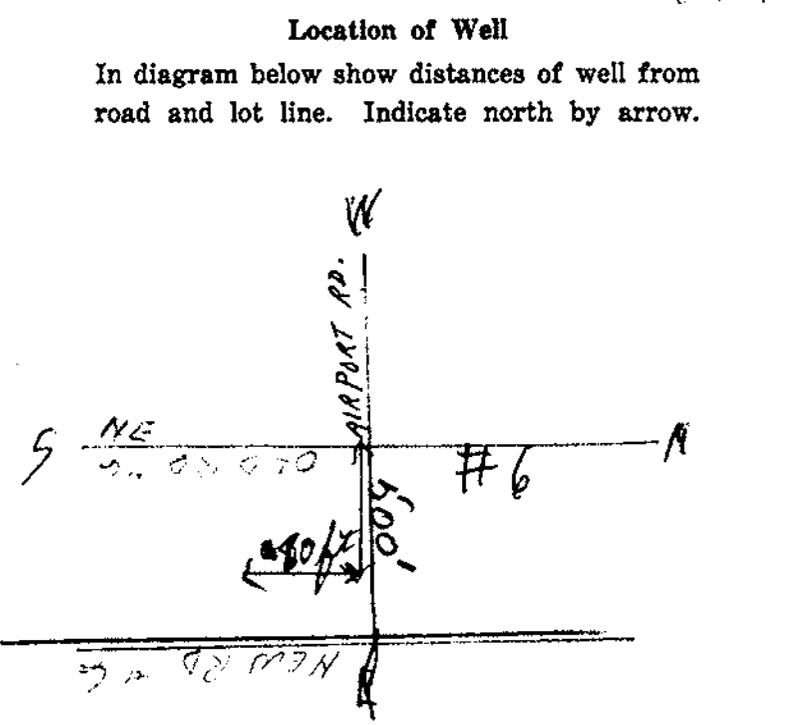
Casing diameter (s) 6 1/8 Static level 30
 Length (s) 111 Pumping rate 800 gal. per hr.
 Type of screen Pumping level 50
 Length of screen Duration of test

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) |
|-------------------------------|------------|------------|------------------------------------|-------------------------|--|
| <u>loam</u> | <u>4</u> | <u>4</u> | <u>113</u> | <u>83</u> | <u>fresh</u> |
| <u>blue clay</u> | <u>107</u> | <u>111</u> | | | |
| <u>shale rock</u> | <u>2</u> | <u>113</u> | | | |
| <u>LOAM</u> | <u>0</u> | <u>4</u> | | | |
| <u>BLUE CLAY</u> | <u>4</u> | <u>111</u> | | | |
| <u>SHALE ROCK</u> | <u>111</u> | <u>113</u> | | | |

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
 Address
 Name of Driller Frank Cluse
 Address Ryckman's Corners Ont.
 Licence Number 996



I certify that the foregoing statements of fact are true.
 Date Aug 29 Frank Cluse
 Signature of Licensee

UTM 5 R 0752 E
 Elev. 4 R 0752
 Basin 24



The Ontario Water Resources Commission Act, 1957

GROUND WATER BRANCH
 68 N.
 MAY 24 1960
 ONTARIO WATER
 RESOURCES COMMISSION

WATER WELL RECORD

County or District Wentworth Township, Village, Town or City Woodford
 Con. 5 Lot 4 Date completed 25 May 60
 (day month year)
 Address mt Hope P.O.

| Casing and Screen Record | | Pumping Test | |
|--|---|---|--|
| Inside diameter of casing <u>6 3/8</u> | Static level <u>28</u> | Test-pumping rate <u>48</u> G.P.M. | |
| Total length of casing <u>104</u> | Pumping level <u>60</u> | Duration of test pumping <u>1 hr</u> | |
| Type of screen <u>---</u> | Water clear or cloudy at end of test <u>clear</u> | Recommended pumping rate <u>33 1/2</u> G.P.M. | |
| Length of screen <u>---</u> | | with pumping level of <u>40</u> | |
| Depth to top of screen <u>---</u> | | | |
| Diameter of finished hole <u>6 1/4</u> | | | |

| Overburden and Bedrock Record | Water Record | | | | |
|-------------------------------|--------------|------------|----------------------------------|-------------------------|---------------------------------------|
| | From ft. | To ft. | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, sulphur) |
| <u>Guy clay</u> | <u>0</u> | <u>90</u> | <u>105</u> | <u>77</u> | <u>fresh</u> |
| <u>Silty clay</u> | <u>90</u> | <u>104</u> | | | |
| <u>Shale brown rock</u> | <u>104</u> | <u>108</u> | <u>CHECKED</u> | <u>SEPT 12/60</u> | <u>FRESH WATER.</u> |
| | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

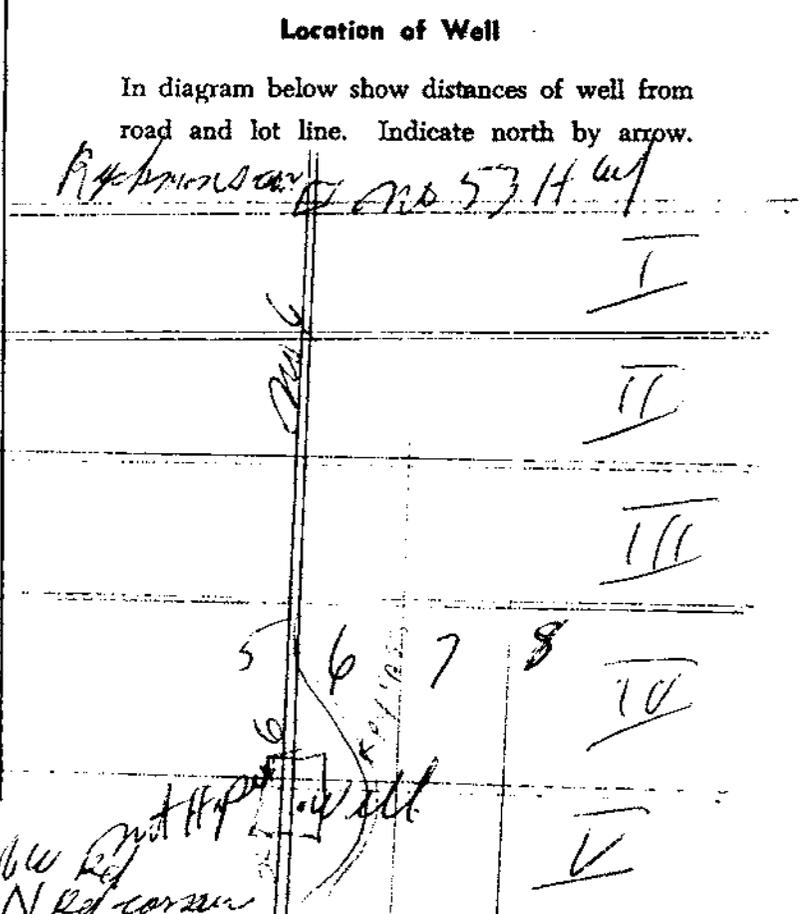
For what purpose(s) is the water to be used?
house and garage

Is well on upland, in valley, or on hillside?
upland

Drilling Firm Wesley Pappas
 Address Southville

Licence Number 578
 Name of Driller Wesley Pappas
 Address Southville

Date May 25/60
Wesley Pappas
 (Signature of Licensed Drilling Contractor)



(Houselines Governor only)
 service station

CSS.S8

WTM

1 1 2 2 5 8 9 5 8 0 E Con 14
4 R 4 7 7 8 1 1 3 0 CODED Lot 8



6806911

30 7/4 J.B.

ELV. 4 1 2 2 5 4
2 4

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Wentworth Township, Village, Town or City Glenford
Con. 4 Lot 8 Date completed 12 aug 68
(day month year)
Address R.R. 2 Ont Hope

Casing and Screen Record

Inside diameter of casing 6 1/4
Total length of casing 95
Type of screen —
Length of screen —
Depth to top of screen —
Diameter of finished hole 6 1/4

Pumping Test

Static level 65
Test-pumping rate 15 G.P.M.
Pumping level 80
Duration of test pumping 1 hr
Water clear or cloudy at end of test clear
Recommended pumping rate 10 G.P.M.
with pump setting of 90 feet below ground surface

Well Log

Water Record

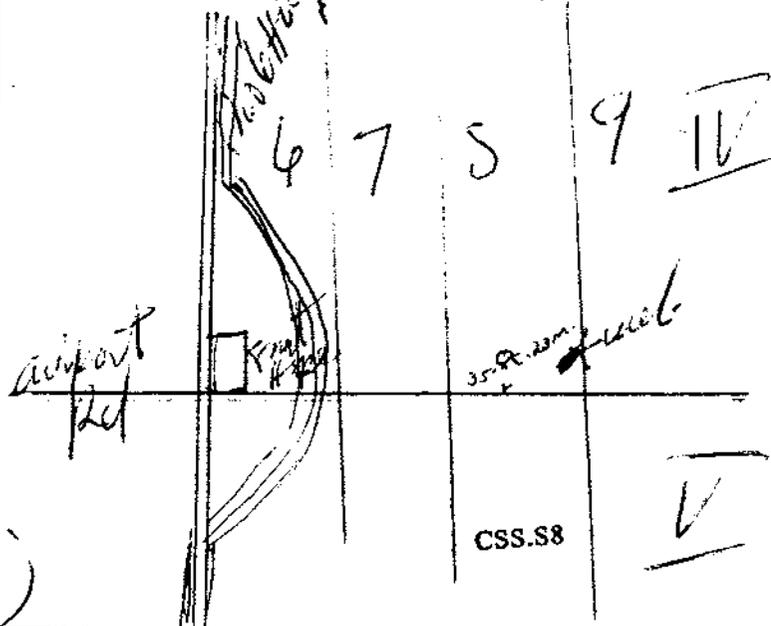
Overburden and Bedrock Record

| | From ft. | To ft. | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-------------------------------------|-----------|------------|----------------------------------|---------------------------------------|
| <u>clay</u> | <u>0</u> | <u>95</u> | <u>99</u> | <u>fresh</u> |
| <u>Bed Rock Dark Grey Limestone</u> | <u>95</u> | <u>102</u> | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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 W Packham
Address R.R. 2 Ontario
Licence Number 2798
Name of Driller or Borer W Packham
Address R.R. 2 Ontario
Date aug 12 68
Wesley Packham
(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 5M 60-20912 60 ft. N of S.R. 4
OWRC COPY - near 7 lot line (near house)

CSS.S8



CODED
WATER WELL RECORD

The Ontario Water Resources Commission Act

30M/4e
 CODED
 CON V
 Lot 9

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK CORRECT BOX WHERE APPLICABLE

11 6807395

COUNTY OR DISTRICT: **WENTWORTH** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **GLANFORD** CON., BLOCK, TRACT, SURVEY, ETC.: **V** LOT: **8**

OWNER (SURNAME FIRST): [REDACTED] ADDRESS: **MOUNT HOPE P.O.** DATE COMPLETED: DAY **21** MO **NOV.** YR **1969**

21 ZONE: **117** EASTING: **589910** NORTHING: **4777970** RC: **54** ELEVATION: **0750** RC: **4** BASIN CODE: **24**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET | |
|----------------|----------------------|-----------------|---------------------|--------------|-----|
| | | | | FROM | TO |
| BROWN | CLAY | | | 0 | 60 |
| | | QUICK SAND | | 60 | 96 |
| | | LIME STONE | | 96 | 140 |

31 32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|---|
| 10-13 120 | <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 15-18 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 20-23 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 25-28 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 30-33 | <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET | |
|---------------------|---|-----------------------|--------------|-----|
| | | | FROM | TO |
| 10-11 64 | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | 218 | 0 | 96 |
| 17-18 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE | | 96 | 140 |
| 24-25 | <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE | | | |

SCREENS

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

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____ FEET

61 PLUGGING & SEALING RECORD

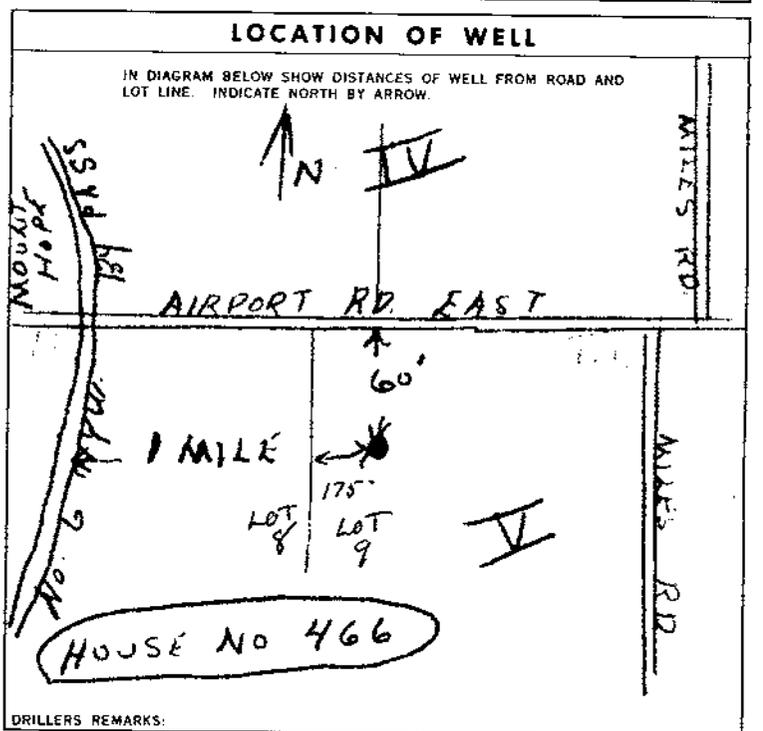
| DEPTH SET AT - FEET | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |
|---------------------|---|
| FROM TO | |
| 10-13 | 14-17 |
| 18-21 | 22-25 |
| 26-29 | 30-33 |

71 PUMPING TEST

10 PUMPING RATE: $\frac{1}{2}$ GPM. 15-16 DURATION OF PUMPING: 1 HOURS. 17-18 RECOVERY: $\frac{1}{2}$

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING PUMPING | | | |
|-------------------------|----------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|
| | | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
| 19-21 40 FEET | 22-24 140 FEET | 25-28 125 FEET | 29-31 115 FEET | 32-34 110 FEET | 35-37 110 FEET |

RECOMMENDED PUMP TYPE: SHALLOW DEEP. RECOMMENDED PUMP SETTING: **135** FEET. RECOMMENDED PUMPING RATE: $\frac{1}{2}$ GPM.



FINAL STATUS OF WELL

WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY
 OBSERVATION WELL 6 ABANDONED, POOR QUALITY
 TEST HOLE 7 UNFINISHED
 RECHARGE WELL

WATER USE

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

METHOD OF DRILLING

CABLE TOOL 6 BORING
 ROTARY (CONVENTIONAL) 7 DIAMOND
 ROTARY (REVERSE) 8 JETTING
 ROTARY (AIR) 9 DRIVING
 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **CROSS BROS.** LICENCE NUMBER: **3556**
 ADDRESS: **38 KENNEDY AVE. HAMILTON**
 NAME OF DRILLER OR BORER: **ARTHUR CROSS** LICENCE NUMBER: **3556**
 SIGNATURE OF CONTRACTOR: *Howard Cross* SUBMISSION DATE: DAY **21** MO **NOV.** YR **69**

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: _____ DATE RECEIVED: **180270**
 DATE OF INSPECTION: **29, 10, 70** INSPECTOR: **71P**
 REMARKS: _____
 OSS.SS
 J.B.

Appendix 1D

Ministry of the Environment, Conservation & Parks Water Well Records along Cross-Section D-D'

UTM 2 E
9^R 6^N
 Elev. 0730
 Basin 24



RECEIVED
 68 No. 4065
 GEOLOGICAL BRANCH
 DEPARTMENT OF MINES

The Water-well Drillers Act, 1954
 Department of Mines

Water-Well Record

County or Territorial District Wentworth Township, Village, Town or City Glanford
 Village, Town or City
 Address Mt. Hope
 Date completed (day) (month) (year)

Pipe and Casing Record

Pumping Test

| | |
|----------------------------------|-----------------------------------|
| Casing diameter(s) <u>5 5/8"</u> | Static level <u>100'</u> |
| Length(s) <u>96'</u> | Pumping rate <u>2 gal per min</u> |
| Type of screen | Pumping level <u>105'</u> |
| Length of screen | Duration of test <u>1/2 hour</u> |

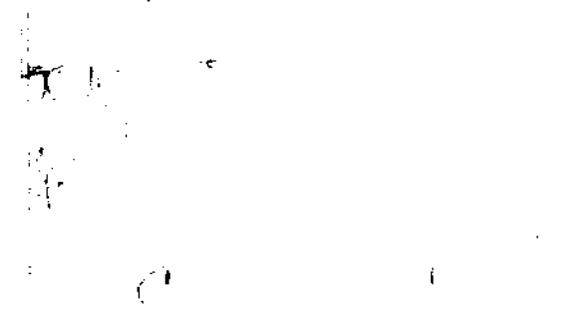
Well Log

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) |
|-------------------------------|-----------|-------------|----------------------------------|-------------------------|--|
| <u>brown clay</u> | <u>0</u> | <u>96</u> | | | |
| <u>limestone rock</u> | <u>96</u> | <u>115"</u> | <u>110-115'</u> | <u>15"</u> | <u>fresh</u> |
| | | | | | |
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For what purpose(s) is the water to be used?
abandoned
 Is water clear or cloudy?
 Is well on upland, in valley, or on hillside?
 Drilling firm Howard Cross
 Address Rychman Co.
 Name of Driller H. Felker
 Address Rychman Co.
 Licence Number
 I certify that the foregoing statements of fact are true.
 Date 11/11 Howard Cross
 Signature of Licensee

Location of Well
 In diagram below show distances of well from road and lot line. Indicate north by arrow.



UTM 5 R 0752 E
 Elev. 9 R 0752
 Basin 24 CONV
 LOT 6



ONTARIO

The Water-well Drillers Act, 1954
 Department of Mines

68 No 4068
 GROUND WATER BRANCH
 MAY 27 1958
 ONTARIO WATER
 SERVICES COMMISSION

Water-Well Record

Ship, Village, Town or City... GLANFORD
 in Village, Town or City).....
 Address MOUNT HOPE

Date completed 27 MAR. 1958
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter (s) 6 1/2
 Length (s) 110
 Type of screen —
 Length of screen —

Static level 35'
 Pumping rate 10 G.P.M.
 Pumping level 60'
 Duration of test 1 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) |
|-------------------------------|------------|------------|------------------------------------|-------------------------|--|
| <u>CLAY</u> | <u>0</u> | <u>110</u> | <u>111</u> | <u>76</u> | <u>FRESH</u> |
| <u>limstone</u> | <u>110</u> | <u>112</u> | | | |
| | | | <u>CHECKED</u> | <u>SEPT 17/60</u> | <u>FRESH</u> |

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 HOWARD CROSS

Address RYCKMAN'S CORNERS

Name of Driller ARTHUR CROSS

Address RYCKMAN'S CORNERS

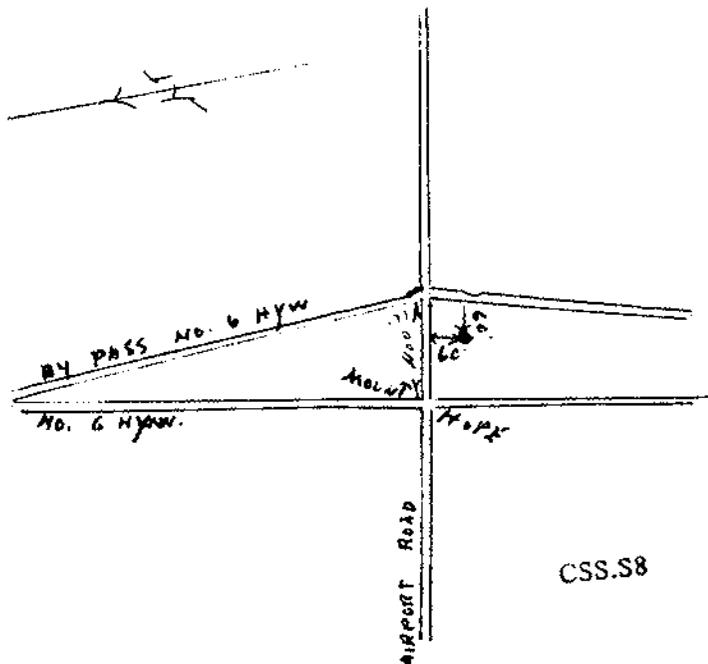
Licence Number.....

I certify that the foregoing statements of fact are true.

Date MAY 16 Howard Cross
 Signature of Licensee

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



CSS.S8

UTM 5 R 07 S 2 N
 Elev. 9 R 07 S 2
 Basin 29



GROUND WATER BRANCH
 NOV 1 4 1961 No. 1072
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District WENTWORTH Township, Village, Town or City GLANFORD
 Con. V Lot VI Date completed 4 OCT. 1961
 (day month year)
 Address HAMILTON

Casing and Screen Record

Inside diameter of casing 6 3/4"
 Total length of casing 110'
 Type of screen X
 Length of screen X
 Depth to top of screen X
 Diameter of finished hole 6 3/4"

Pumping Test

Static level 50'
 Test-pumping rate 10 G.P.M.
 Pumping level 50'
 Duration of test pumping 4 HRS.
 Water clear or cloudy at end of test CLEAR
 Recommended pumping rate 10 G.P.M.
 with pump setting of 80 feet below ground surface

Well Log

Overburden and Bedrock Record

TOP SOIL
BROWN CLAY
BLUE CLAY
QUICK SAND
BLUE CLAY
ROCK LIMESTONE

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

| | | | |
|-----|-----|-----|-------|
| 0 | 1 | | |
| 1 | 26 | 112 | FRESH |
| 26 | 50 | | |
| 50 | 80 | | |
| 80 | 110 | | |
| 110 | 112 | | |

For what purpose(s) is the water to be used?

GOLF COURSE

Is well on upland, in valley, or on hillside? UPLAND

Drilling or Boring Firm CROSS BROS.

Address 38 KENNEDY AVE.

Licence Number 315

Name of Driller or Borer ARTHUR CROSS

Address 38 KENNEDY AVE.

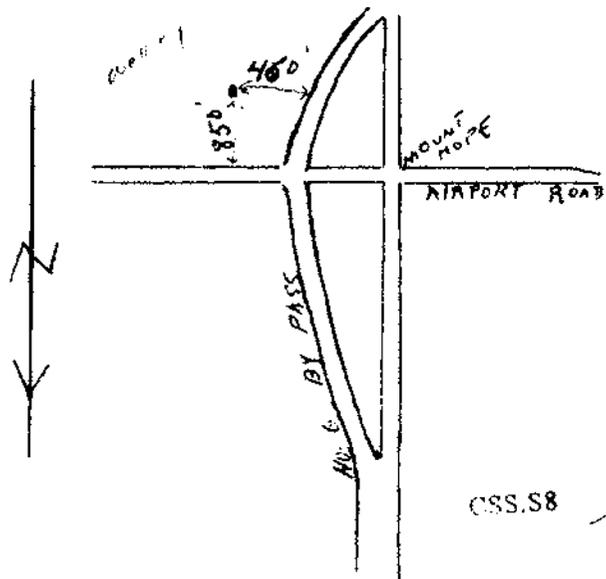
Date OCT. 4/61

Howard Cross

(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.



CSS.S8

Elevation: 9 R 0750
 Basin: 29



PERMIT

WATER RESOURCES
 DIVISION
 68 JUL No. 27 1964 1075
 ONTARIO WATER
 RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District: WENTWORTH Township, Village, Town or City: GLANFORD
 Con. V Lot: 6 Date completed: 30 JUNE 1964
 (day) (month) (year)
 Address: MOUNT HOPE

Casing and Screen Record

Inside diameter of casing: 8"
 Total length of casing: 112'
 Type of screen: _____
 Length of screen: _____
 Depth to top of screen: _____
 Diameter of finished hole: 7"

Pumping Test

Static level: 55'
 Test-pumping rate: 25 G.P.M.
 Pumping level: 150'
 Duration of test pumping: 2 HRS.
 Water clear or cloudy at end of test: CLEAR
 Recommended pumping rate: 25 G.P.M.
 with pump setting of 180' feet below ground surface

Well Log

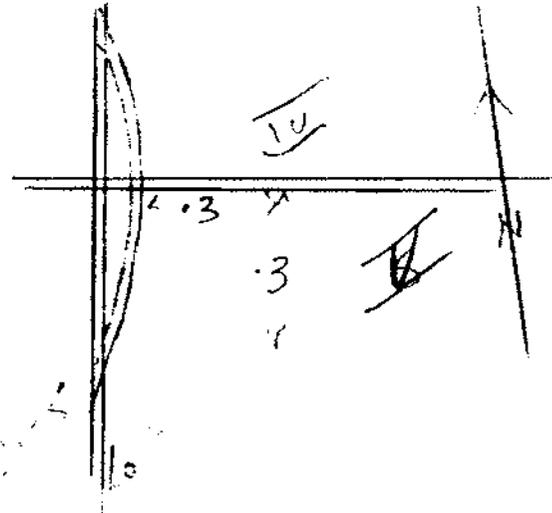
Water Record

| Overburden and Bedrock Record | From ft. | To ft. | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-------------------------------|------------|------------|----------------------------------|---------------------------------------|
| <u>TOP SOIL</u> | <u>0</u> | <u>1</u> | | |
| <u>BROWN CLAY</u> | <u>1</u> | <u>31</u> | | |
| <u>GREY CLAY</u> | <u>31</u> | <u>55</u> | | |
| <u>QUICK SAND</u> | <u>55</u> | <u>90</u> | | |
| <u>BLUE CLAY</u> | <u>90</u> | <u>108</u> | | |
| <u>COURSE GRAVEL</u> | <u>108</u> | <u>112</u> | <u>135</u> | <u>FRESH</u> |
| <u>LIME STONE</u> | <u>112</u> | <u>191</u> | <u>190</u> | <u>SLIGHT SULPHUR</u> |

For what purpose(s) is the water to be used? IRRIGATION
 Is well on upland, in valley, or on hillside? UPLAND
 Drilling or Boring Firm: CROSS BROS.
 Address: 38 KENNEDY AVE.
HAMILTON
 Licence Number: 1338
 Name of Driller or Borer: ARTHUR CROSS
 Address: 38 KENNEDY AVE.
 Date: JULY 4
Howard Cross
 (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.



JTM 1172 58179810E Con V Lot 6

41R 41212175610 CODED



6805912-

30 7/40

Elev. 1017310

214

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Wentworth Township, Village, Town or City Glanford
 Con. 1017310 Lot 6 Date completed 26 April 1968
 (day) (month) (year)
 Address Hamilton
RR #3 Rt. Hope

Casing and Screen Record

Inside diameter of casing 6 1/4"
 Total length of casing 109 ft
 Type of screen —
 Length of screen —
 Depth to top of screen —
 Diameter of finished hole 6 1/4"

Pumping Test

Static level 85'
 Test-pumping rate 1/2 G.P.M.
 Pumping level 120'
 Duration of test pumping 1 hr.
 Water clear or cloudy at end of test clear
 Recommended pumping rate 1/2 G.P.M.
 with pump setting of 118' feet below ground surface

Well Log

Overburden and Bedrock Record

BROWN CLAY
BLUE CLAY
WHITE NIAGARA

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

| | | | |
|-----|-----|------|---------|
| 0 | 15 | 115' | sulphur |
| 15 | 108 | | |
| 108 | 120 | | |

For what purpose(s) is the water to be used? HOUSEHOLD

Is well on upland, in valley, or on hillside? UPLAND

Drilling or Boring Firm James Wickert

Address Box 313 Caledonia

Licence Number 2978

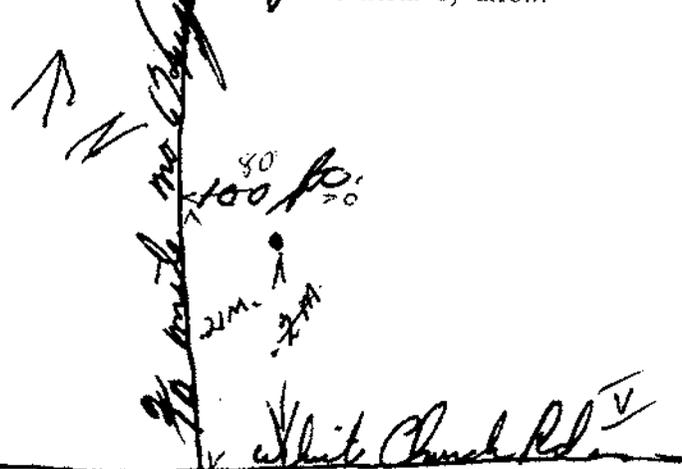
Name of Driller or Borer same

Address same

Date James Wickert

(Signature of Licensed Drilling or Boring Contractor)

Location of Well
 Indicate north by arrow.
 In diagram below show distance of well from road and lot line.



LOT 5 LOT 6 VI
 CSS.S8



6806915-1

UTM 1172 1518 1811610 E
47 47 7810810
Elev. 47 10745
in 24

CODED
Can V
L 6

The Ontario Water Resources Commission Act

WATER WELL RECORD

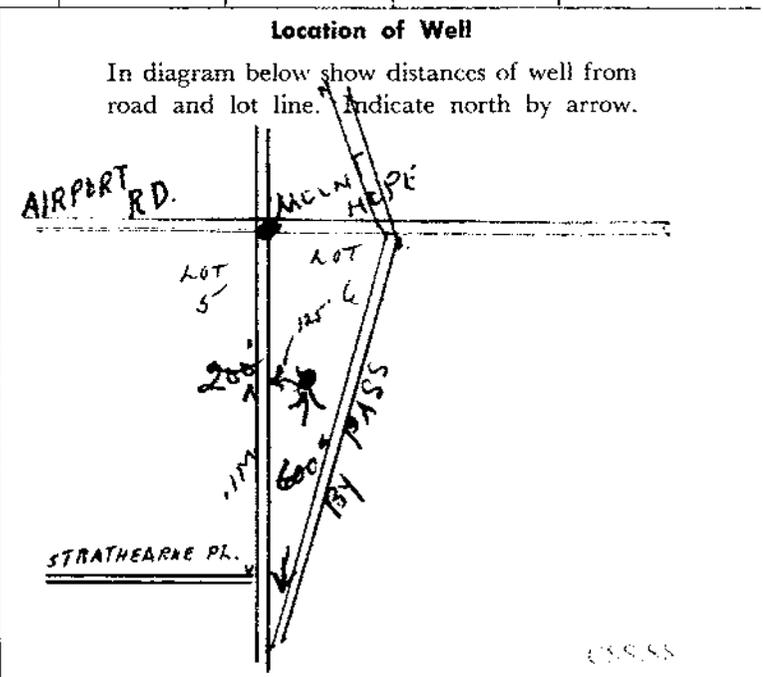
County or District WENTWORTH Township, Village, Town or City GLANFORD
Con. V Lot 6 Date completed 24 JUNE 1968
(day month year)
Address MOUNT HOPE P.O.

Casing and Screen Record
Inside diameter of casing 6 1/4"
Total length of casing 106'
Type of screen ---
Length of screen ---
Depth to top of screen ---
Diameter of finished hole 6 1/4"

Pumping Test
Static level 60'
Test-pumping rate 25 G.P.M.
Pumping level 70'
Duration of test pumping 4 HRS.
Water clear or cloudy at end of test CLEAR
Recommended pumping rate 20 G.P.M.
with pump setting of 90' 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) |
| <u>BROWN CLAY</u> | | <u>0</u> | <u>22</u> | | |
| <u>GREY CLAY</u> | | <u>22</u> | <u>105</u> | | |
| <u>LIME STONE</u> | | <u>105</u> | <u>106</u> | <u>106</u> | <u>FRESH</u> |

For what purpose(s) is the water to be used? D. HOUSE
Is well on upland, in valley, or on hillside? UPLAND
Drilling or Boring Firm CROSS BROS.
Address 38 KENNEDY AVE HAMILTON
Licence Number 2933
Name of Driller or Borer ARTHUR CROSS
Address 882 ALLISON CRES.
Date JUNE 25
Howard Cross
(Signature of Licensed Drilling or Boring Contractor)



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

6812313
MUNICIPALITY: 68007 CON. NO.: 106

COUNTY OR DISTRICT: Wentworth TOWNSHIP/BOROUGH/CITY/TOWN/VILLAGE: Glanbrook CON. BLOCK/TRACT/SURVEY ETC.: 7 LOT: 5
OWNER (SURNAME FIRST): BME SERVICES ADDRESS: 3622 HWY #6 MOUNT HOPE DATE COMPLETED: 30 11 92

21
ZONE EASTING NORTHING RC ELEVATION BC BASIN CODE II III IV

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) | | | | | DEPTH - FEET | |
|--|----------------------|-----------------|---------------------|------|--------------|--|
| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | FROM | TO | |
| | Top Soil | | | 0 | 3 | |
| Brown | Clay | | | 3 | 22 | |
| Blue | Clay | | | 22 | 88 | |
| Grey | Shale Rock | | | 88 | 90 | |
| Grey | Lime Rock | | | 90 | 92 | |

31
32

41 WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER |
|-----------------------|--|
| 89 | 1 <input type="checkbox"/> FRESH 3 <input checked="" type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 15-18 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 20-23 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 25-28 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |
| 30-33 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS |

51 CASING & OPEN HOLE RECORD

| INSIDE DIAM. INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH - FEET |
|---------------------|---|-----------------------|--------------|
| 6 1/4 | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC | 188 | 0 89 |
| 17-18 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC | | 20-23 |
| 24-25 | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC | | 27-30 |

61 SCREEN

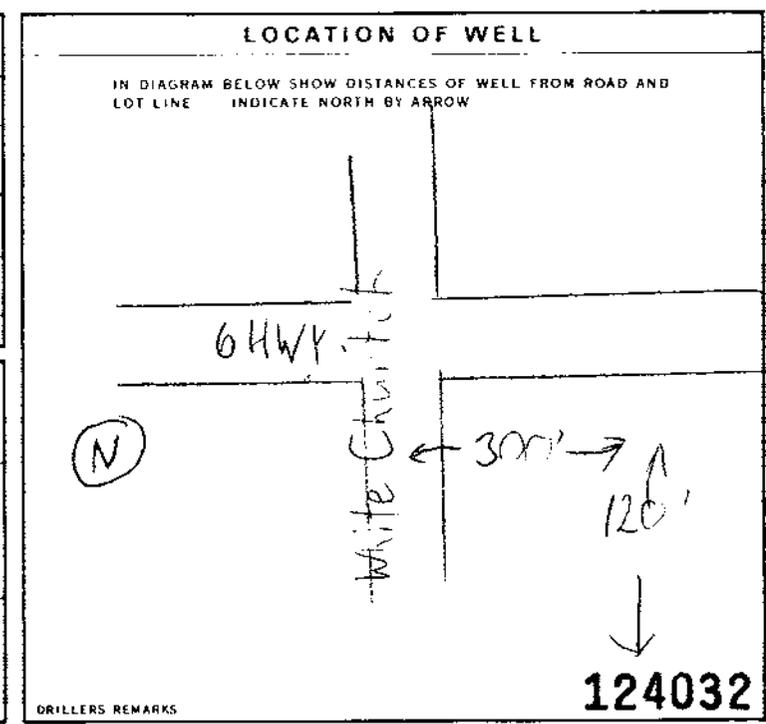
| SIZE OF OPENING - SHOT NO. 1 | DIAMETER INCHES | LENGTH FEET |
|------------------------------|-----------------|-------------|
| | | |

61 PLUGGING & SEALING RECORD

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|---------------------|-------------------|-------------------------------|
| 10-13 | | |
| 18-21 | | |
| 24-29 | | |

71 PUMPING TEST

| PUMPING TEST METHOD | PUMPING RATE GPM | DURATION OF PUMPING - HOURS |
|--|----------------------------|--|
| 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER | 5 | 2 |
| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING |
| 35 | 86 | 15 MINUTES: 70 30 MINUTES: 55 45 MINUTES: 45 60 MINUTES: 35 |
| IF FLOWING GIVE RATE | PUMP INTAKE SET AT | WATER AT END OF TEST |
| | 91 | 1 CLEAR 2 CLOUDY |
| RECOMMENDED PUMP TYPE | RECOMMENDED PUMP SETTING | RECOMMENDED PUMPING RATE |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | 91 | 5 |



FINAL STATUS OF WELL

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

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

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: Frank Jones WELL CONTRACTOR'S LICENCE NUMBER: 2803
ADDRESS: 175 Aldercrest Av. Hamilton Ont
NAME OF WELL TECHNICIAN: Frank Jones WELL TECHNICIAN'S LICENCE NUMBER: T0358
SIGNATURE OF TECHNICIAN/CONTRACTOR: Frank Jones SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: _____ CONTRACTOR: 2803 DATE RECEIVED: FEB 16 1993
DATE OF INSPECTION: _____ INSPECTOR: _____
REMARKS: _____
CSS.ES

Appendix 2

Photographs



Photograph 1. Standing near the northern boundary of the study area close to Airport Road East looking southward over a wide, flat sod field. Photograph taken on November 5, 2024.



Photograph 2. Standing near the middle of the study area looking eastward towards Miles Road over a wide, flat sod field. Photograph taken on November 5, 2024.



Photograph 3. Standing near the middle of the study area looking westward towards Upper James Street over a wide, flat field. Photograph taken on November 5, 2024.



Photograph 4. Standing near the eastern boundary of the study area close to Miles Road looking westward over a wide, flat field. Photograph taken on November 5, 2024.



Photograph 5. Standing near the southern boundary of the study area close to White Church Road East looking northward over a wide, flat field. Photograph taken on November 5, 2024.