



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.

November 11, 2024

Page 3

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

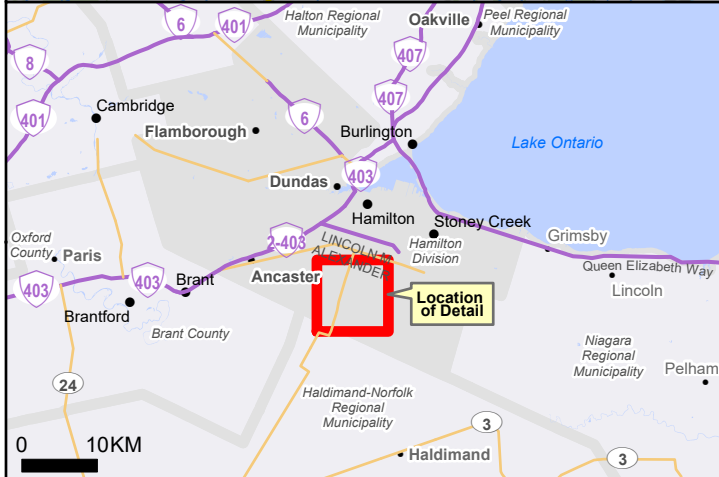
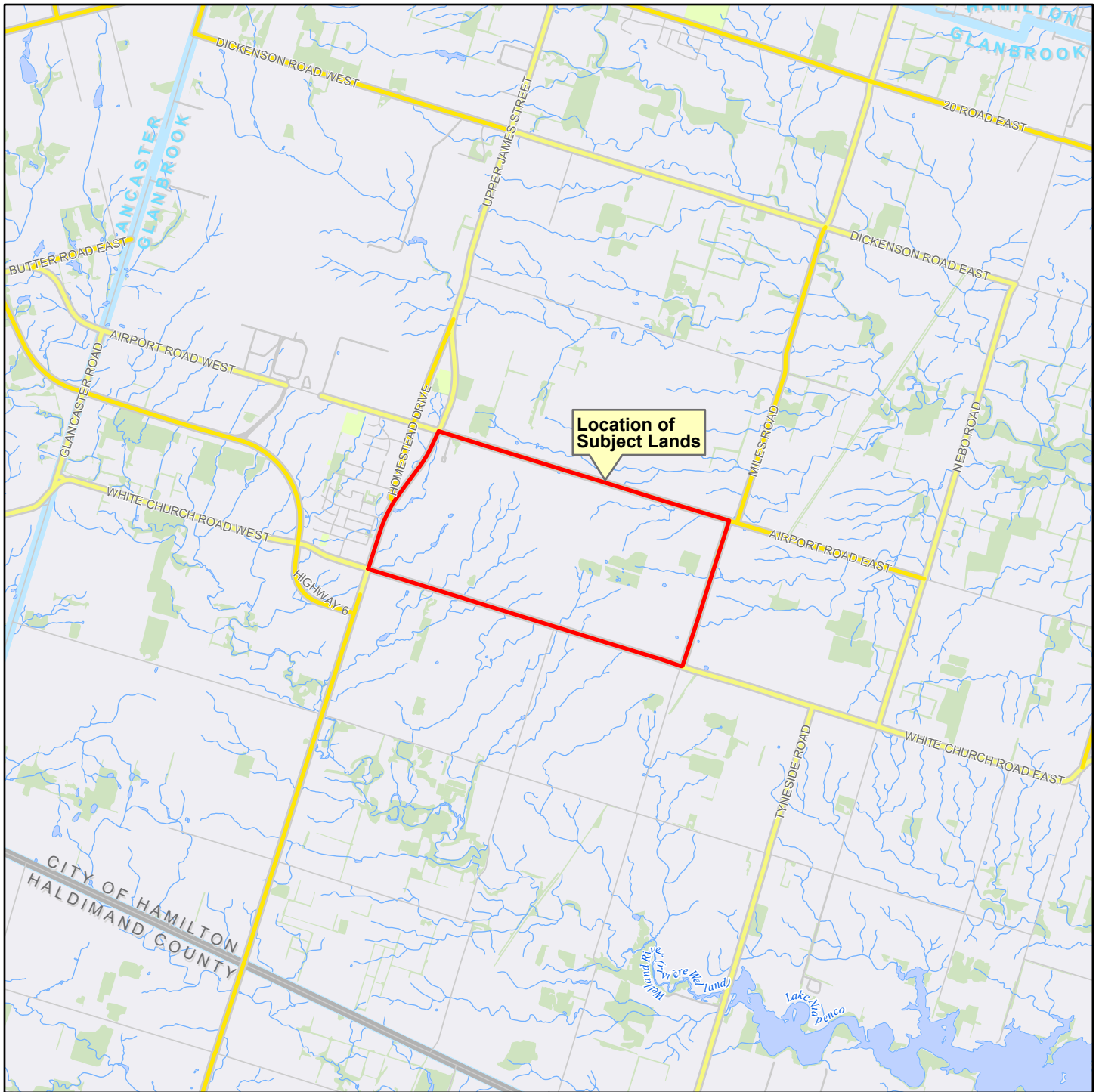
Ontario Geological Survey (OGS), 2003. Surficial geology of southern Ontario. Miscellaneous Release Data – 128. Project Summary and Technical Document, 53 pp.

**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.

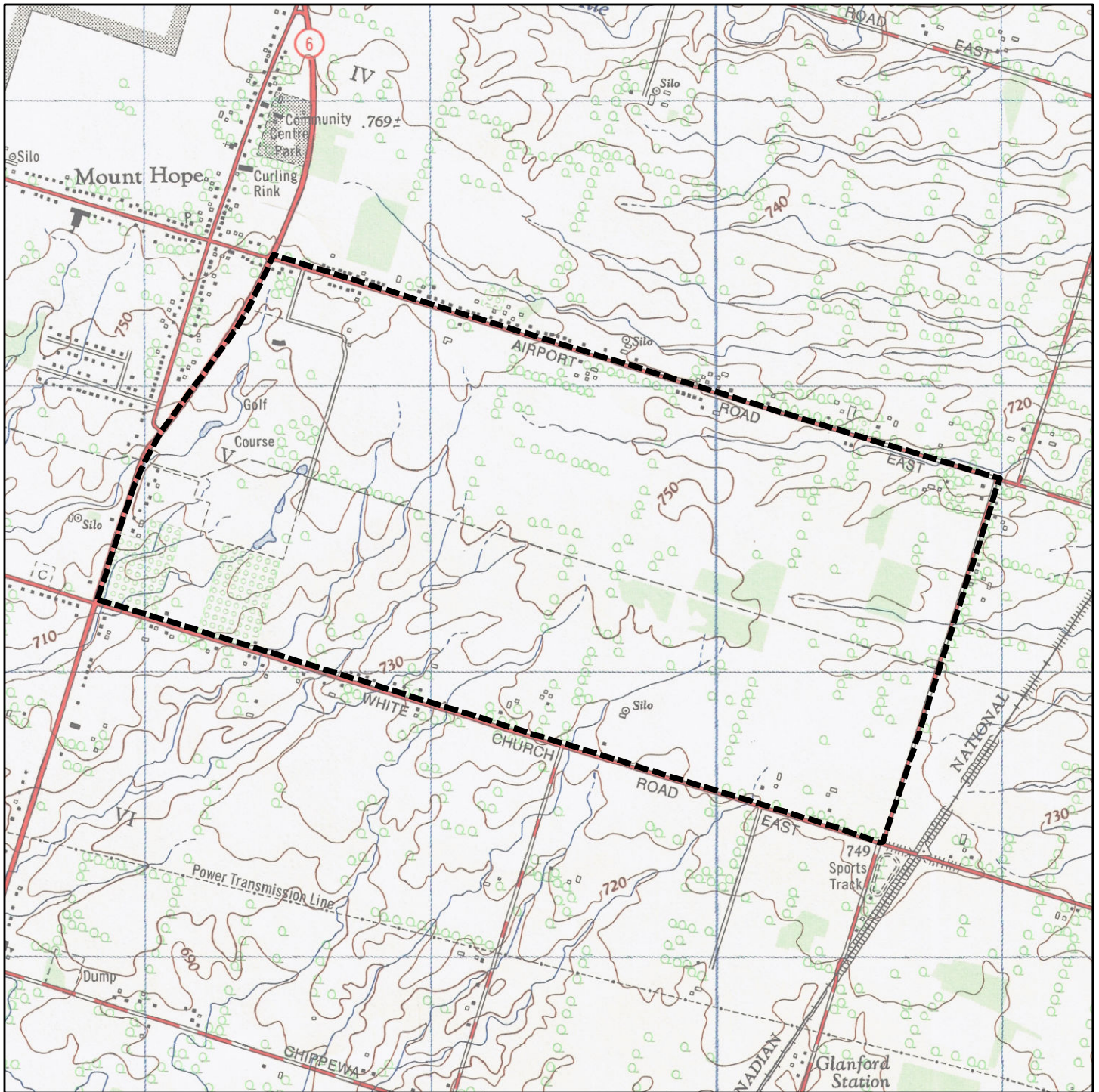



Terra-Dynamics Consulting Inc.

0 1 KM
 1:50,000



Figure 1



 Subject Land

1973 Topographic Map

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

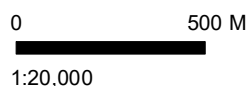
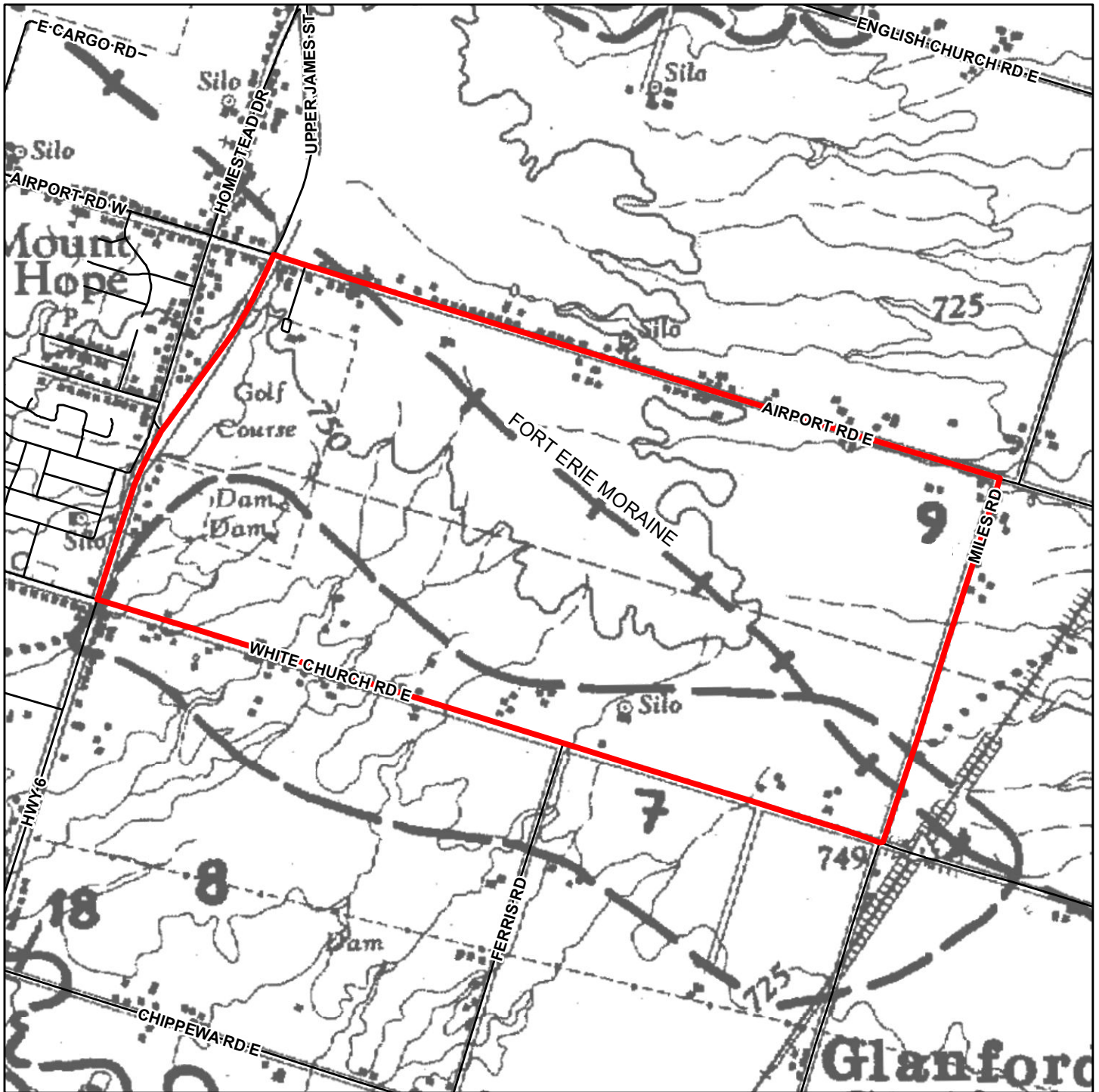



Figure 2




Source: Ontario Topographic Maps 1:25,000 Shees 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

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


N



Figure 3

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



 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

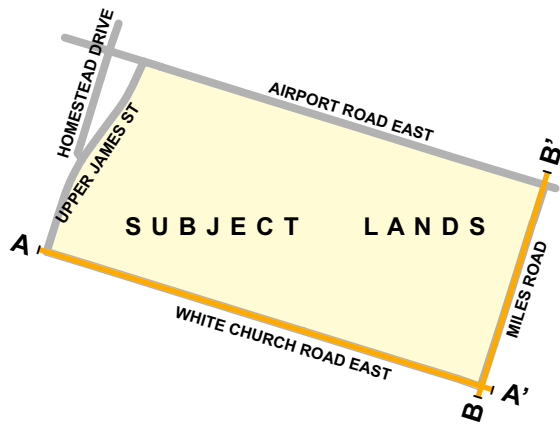
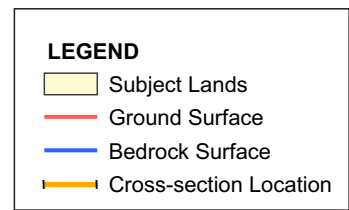
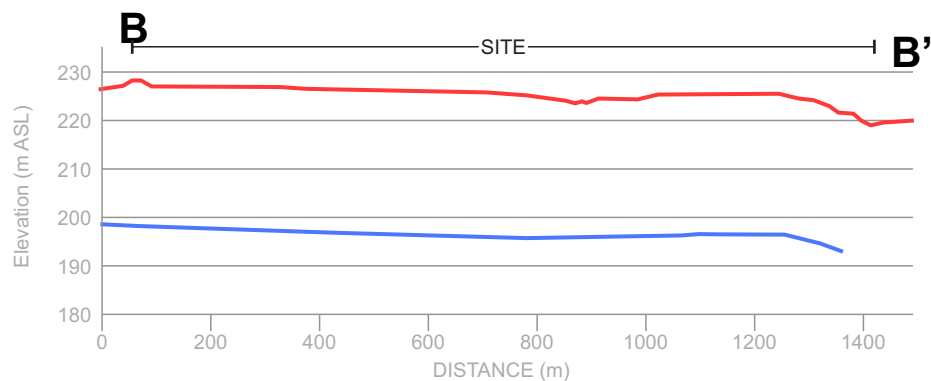
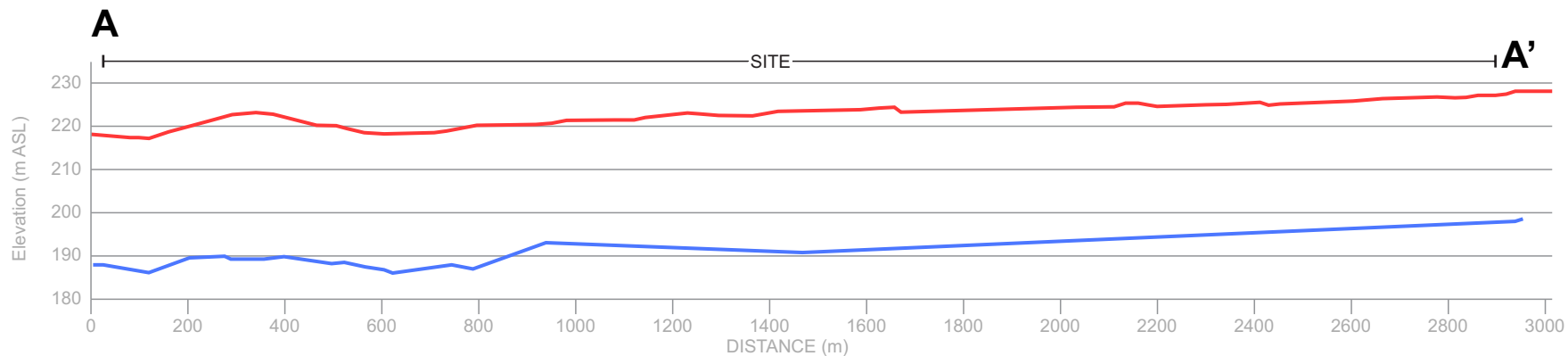


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N



Figure 5

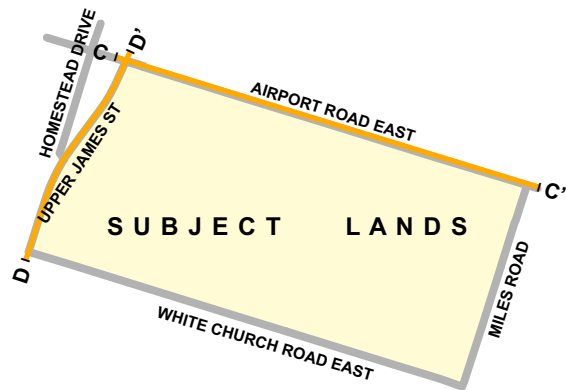
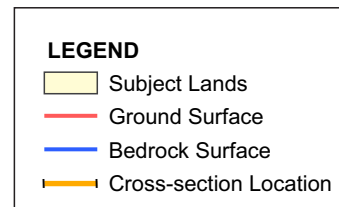
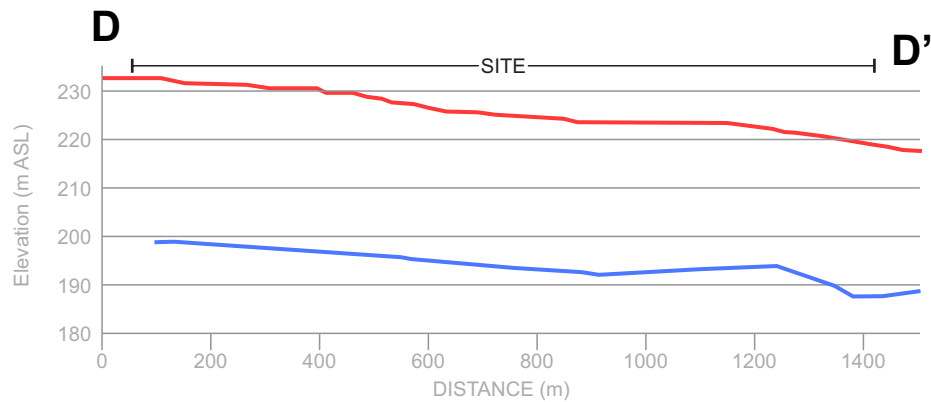
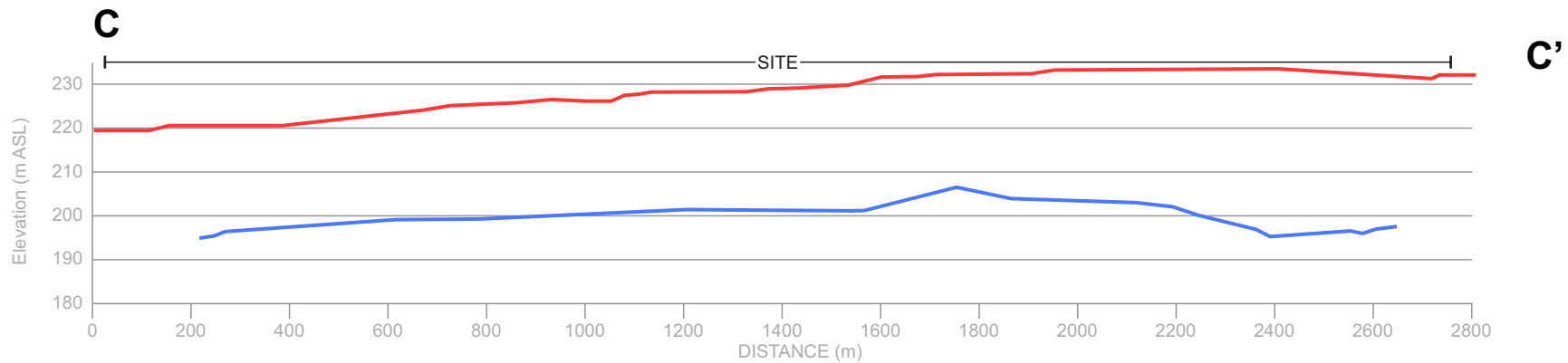


Cross-section A-A' and B-B'

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'

UTM Z E
 5 R N
 Elev. 4 R 0717
 Basin 24



GROUND WATER BRANCH
 68 No 4044
 JUL 4 1960
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District WENTWORTH Township, Village, Town or City GLANFORD
 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 510 G.P.M.
 with pumping level of 50

Well Log

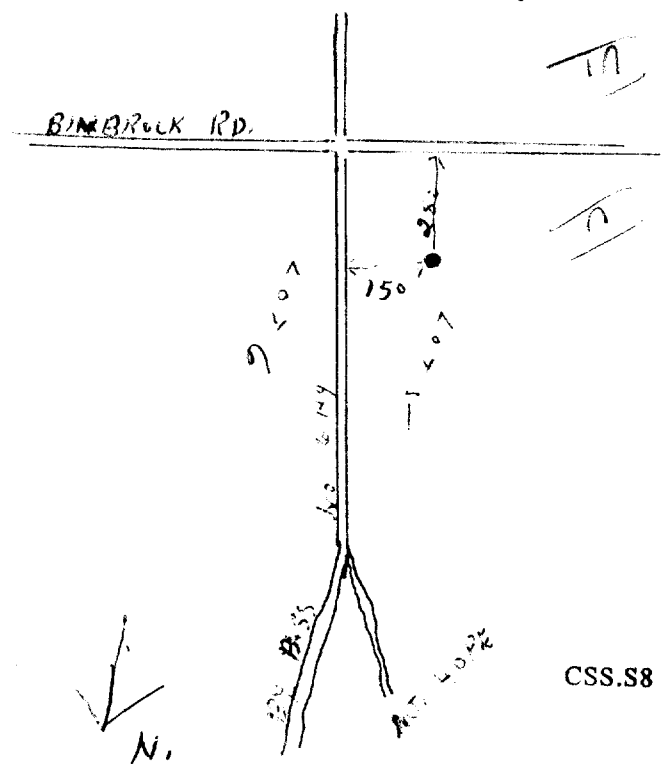
Water Record

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 17/60</u>					
<u>NO ONE WORKING</u>					

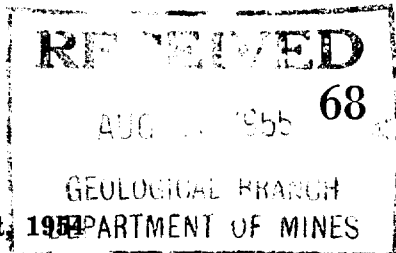
For what purpose(s) is the water to be used?
SERVICE STATION
 Is well on upland, in valley, or on hillside?
UPLAND
 Drilling Firm CROSS BROS.
 Address RYCKMAN'S CORNER
 Licence Number _____
 Name of Driller ARTHUR CROSS
 Address RYCKMAN'S CORNER
 Date JUNE 28/60
Howard Cross
 (Signature of Licensed Drilling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

Location of Well

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



UTM ^z ^E
9 ^R ^N 4
 Elev. 9 ^R 0720
 Basin 24



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
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

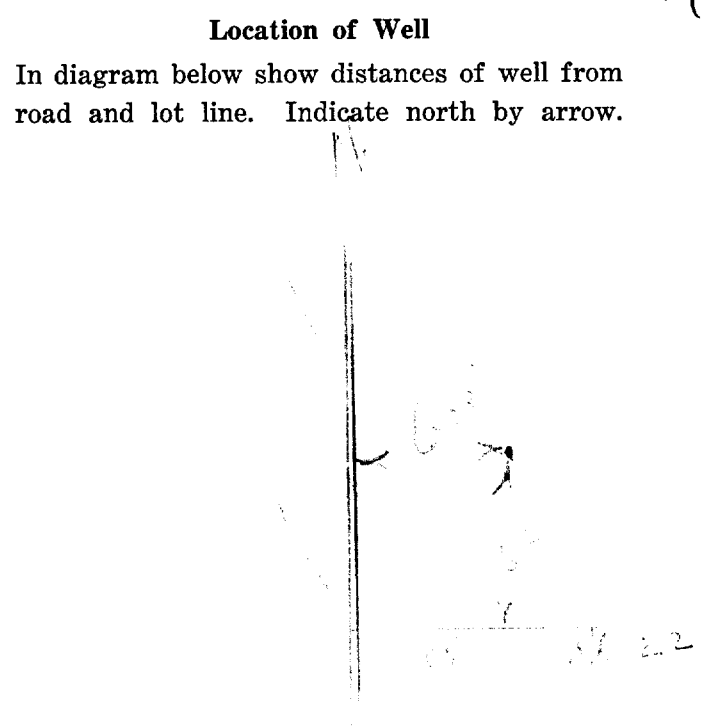
Casing diameter(s) 5.5" 6 1/4"
 Length(s) 70'
 Type of screen
 Length of screen
 Static level 35'
 Pumping rate 5 gal per min.
 Pumping level 40'
 Duration of test 1/2 hour

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>100</u>			
<u>limestone rock</u>	<u>100</u>	<u>120</u>	<u>10-20</u>	<u>85</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 Cr.
 Name of Driller J. Fisher
 Address Ryckman Cr.
 Licence Number.....



I certify that the foregoing statements of fact are true.
 Date Howard Cross
 Signature of Licensee

UTM : Z E
 5 R N
 Elev. 4 R 0720
 Lot 6
 Basin 24



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

Overburden and Bedrock Record

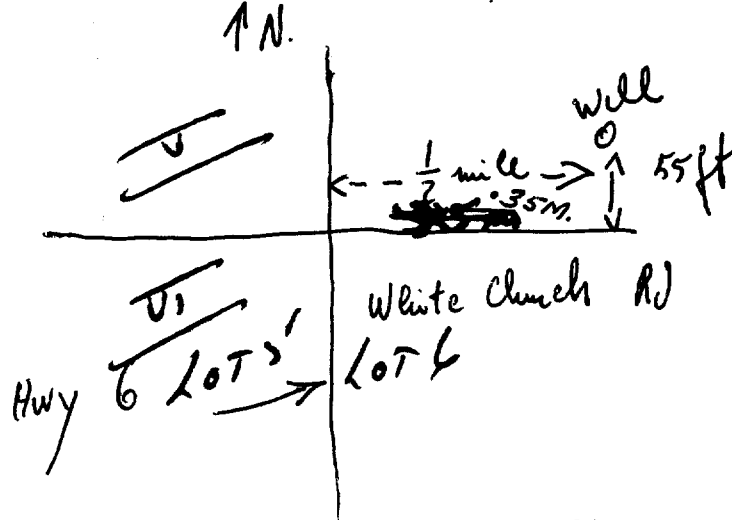
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Brown clay	0	20		
Blue clay	20	40		
Grey sandy clay	40	80		
silt	80	101		
Gravel	101	102		
Grey rock	102	105	102-105	fresh

Water Record

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. Maslowski
 Address 805 Upper Baze Ave
 Date 7. 10. 64
[Signature]
 (Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





WATER WELL RECORD

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK CORRECT BOX WHERE APPLICABLE

11
1 2

6807880

MUNICIP.

68007

CON.

CON

105

COUNTY OR DISTRICT

WENTWORTH

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

GLANFORD

CON., BLOCK, TRACT, SURVEY, ETC.

V

LOT 25-209

109

OWNER (SURNAME FIRST)

RR 2 RT. Hope
KENNEDY AVE. HAMILTON

DATE COMPLETED

24 MO. AUG. YR. 71

776600

RC. ELEVATION

0740

RC. 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
BROWN	CLAY			0	15
GREY	CLAY			15	100
		LIME STONE		100	101

31	0015205	0100205	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

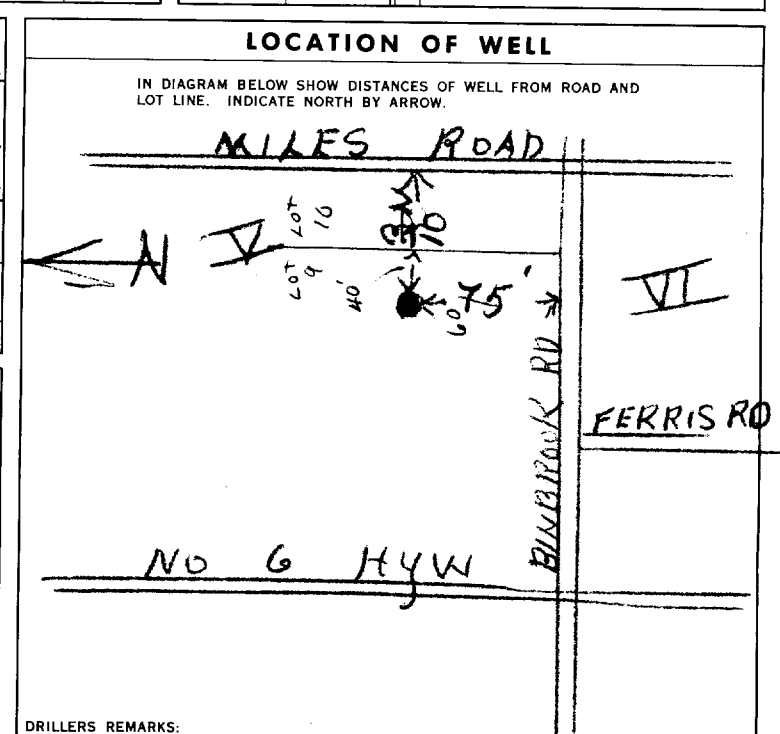
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0	100
17-18	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> 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		
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 HOURS 00 MINS.
STATIC LEVEL	19-21	WATER LEVEL END OF PUMPING	22-24	WATER LEVELS DURING	1 <input type="checkbox"/> PUMPING 2 <input checked="" type="checkbox"/> RECOVERY
	048 FEET		080 FEET	15 MINUTES 26-28	060 FEET
				30 MINUTES 29-31	048 FEET
				45 MINUTES 32-34	048 FEET
				60 MINUTES 35-37	048 FEET
IF FLOWING, GIVE RATE		PUMP INTAKE SET AT		WATER AT END OF TEST	1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	1 <input type="checkbox"/> SHALLOW 2 <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"/> 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	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		

OFFICE USE ONLY

DATA SOURCE	1	CONTRACTOR	1620	DATE RECEIVED	230971
DATE OF INSPECTION	29, 8, 72		INSPECTOR		7
REMARKS	CSS.S8				
	P 7				
	WI				



The Ontario Water Resources Commission Act WATER WELL RECORD

30 M/HE

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

11 6808170 68007 CON. CQN 05

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

OWNER (SURNAME FIRST): [REDACTED] ADDRESS: MT. HOPE DATE COMPLETED: 07 70 72

277040 0720 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/CLAY	CLAY			28	110
GREY	SHALE ROCK			110	112

31 0000 02 0028 005 0110 0305 0112 017

32

41 WATER RECORD

WATER FOUND AT FEET	KIND OF WATER
0112 10-13	<input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERAL
30-33	<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	
			FROM	TO
06 10-11	<input checked="" type="checkbox"/> STEEL	178	0	0110
17-18	<input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input checked="" type="checkbox"/> OPEN HOLE		110	0112
24-25	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			27-30

SCREEN

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

MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: 41-44 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 METHOD

1 PUMP 2 BAILER

10 PUMPING RATE: 0010 GPM

11-14 DURATION OF PUMPING: 01 HOURS 00 MINS

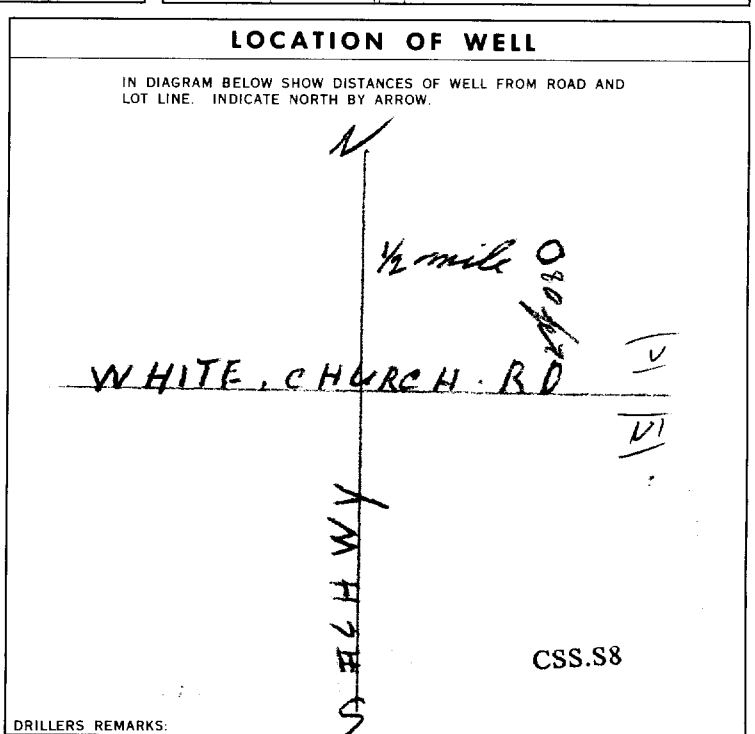
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING
04.5 FEET	100 FEET	15 MINUTES: 05.5 FEET 30 MINUTES: 04.5 FEET 45 MINUTES: 04.5 FEET 60 MINUTES: 04.5 FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 100 FEET

RECOMMENDED PUMPING RATE: 0004 GPM

50-53 060.2 GPM./FT. SPECIFIC CAPACITY



54 FINAL STATUS OF WELL

WATER SUPPLY 5 ABANDONED, INSUFFICIENT SUPPLY

OBSERVATION WELL 6 ABANDONED, POOR QUALITY

TEST HOLE 7 UNFINISHED

RECHARGE WELL

55-56 WATER USE 01

DOMESTIC 5 COMMERCIAL

STOCK 6 MUNICIPAL

IRRIGATION 7 PUBLIC SUPPLY

INDUSTRIAL 8 COOLING OR AIR CONDITIONING

OTHER 9 NOT USED

57 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: [Signature] LICENCE NUMBER: 2803

ADDRESS: [Signature]

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

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: [Signature]

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
MUNICIPALITY 68007
CON. C/P
LOT 05
DATE COMPLETED 19 JAN 73

COUNTY OR DISTRICT: **Wentworth**
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Glanford**
BLOCK, TRACT, SURVEY, ETC: **V**
LOT: **006**
DATE COMPLETED: **19 JAN 73**

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 1034605 009520513 011520511 0126215
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
125	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	
			FROM	TO
6 1/2	STEEL	3/16	0	115
6 1/2	OPEN HOLE	1 1/8	115	126

SCREEN

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

61 PLUGGING & SEALING RECORD

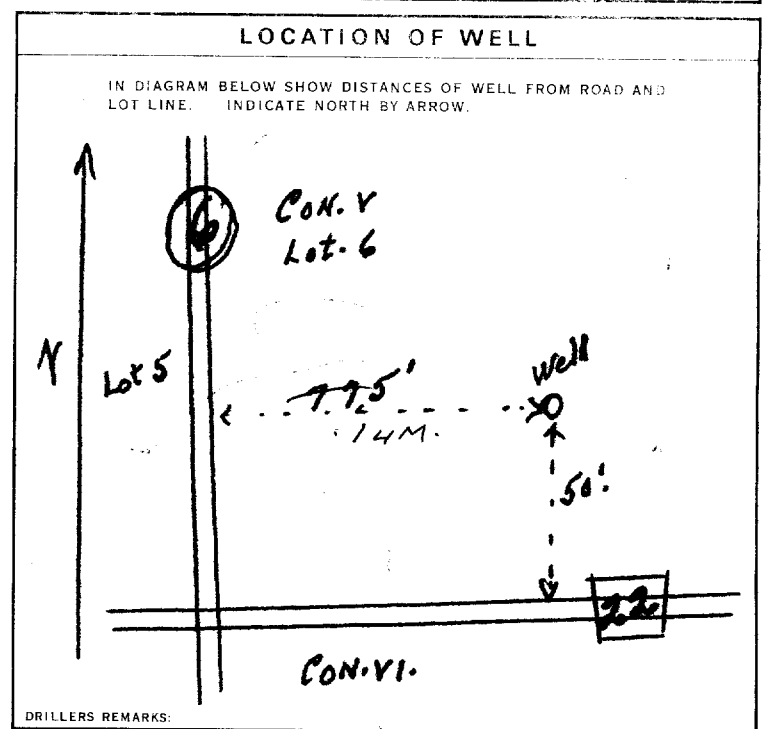
DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUP / LEAD PACKER, ETC.
10-13		
18-21		

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER
PUMPING RATE: 0004 GPM
DURATION OF PUMPING: 02 HOURS 15 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
050	050	050

RECOMMENDED PUMP TYPE: SHALLOW DEEP
RECOMMENDED PUMP SETTING: 115 FEET
RECOMMENDED PUMPING RATE: 0003 GPM



FINAL STATUS OF WELL

1 WATER SUPPLY
2 OBSERVATION WELL
3 TEST HOLE
4 RECHARGE WELL

WATER USE

1 DOMESTIC
2 STOCK
3 IRRIGATION
4 INDUSTRIAL

METHOD OF DRILLING

1 CABLE TOOL
2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE)
4 ROTARY (AIR)
5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank Merritt**
ADDRESS: **101 Smithville, Ont.**
NAME OF DRILLER OR BORER: **Same**
SIGNATURE OF CONTRACTOR: **Frank Merritt**
SUBMISSION DATE: **25** DAY **12** MO **73** YR

OFFICE USE ONLY

DATA SOURCE: **1**
CONTRACTOR: **3608**
DATE RECEIVED: **290573**
DATE OF INSPECTION: **13.12.73**
REMARKS: **7**
INSPECTOR: **7**
P **7**
W **7**



WATER WELL RECORD

30m/4e

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

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

OWNER (SURNAME FIRST): HAMILTON SOO COLTD ADDRESS: RR1 Mount Hope DATE COMPLETED: 07 MO: June YR: 76

UTM ZONE: 17 EASTING: 588500 NORTHING: 4777220 RC: 4 ELEVATION: 0720 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
<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>0270</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	
			FROM	TO
<u>6 1/4</u>	<u>STEEL</u>	<u>188</u>	<u>0</u>	<u>0125</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.)
<u>10-13</u>	<u>14-17</u>	
<u>18-21</u>	<u>22-25</u>	
<u>26-29</u>	<u>30-33</u>	

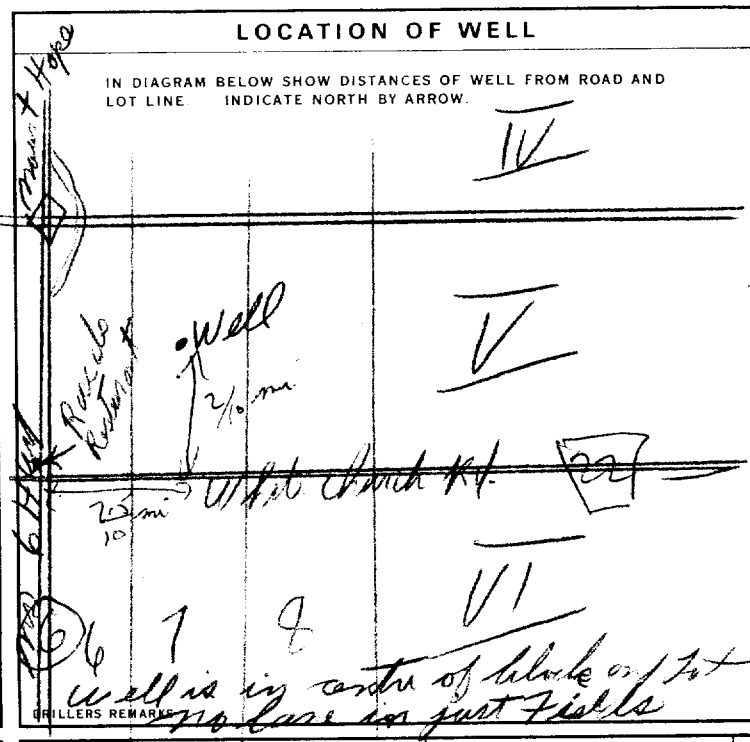
71

PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<u>0090</u>	<u>01 30</u>

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

RECOMMENDED PUMP TYPE: SHALLOW DEEP
RECOMMENDED PUMP SETTING: 225 FEET
RECOMMENDED PUMP RATE: 0090 GPM



FINAL STATUS OF WELL: 1

WATER USE: 03

METHOD OF DRILLING: 2

CONTRACTOR: Wesley Pochham LICENCE NUMBER: 4208

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

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

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4208 DATE RECEIVED: 3 11276

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 0809560

MUNICIPALITY 68.007 CON. 05

COUNTY OR DISTRICT WENTWORTH	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANBROOK	CON., BLOCK, TRACT, SURVEY, ETC. CON II	DATE COMPLETED DAY 19 MO. 03
ADDRESS 1 WILMONT COURT		DATE COMPLETED DAY 19 MO. 03	DATE COMPLETED DAY 19 MO. 03
GRIDING 77200	RC 4	ELEVATION 0.722	RC 4
BASIN CODE 24	II		III

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
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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	
			FROM	TO
10-11	<input checked="" type="checkbox"/> STEEL	188	0	109
17-18	<input type="checkbox"/> STEEL			20-23
24-25	<input type="checkbox"/> STEEL			27-30

SCREEN

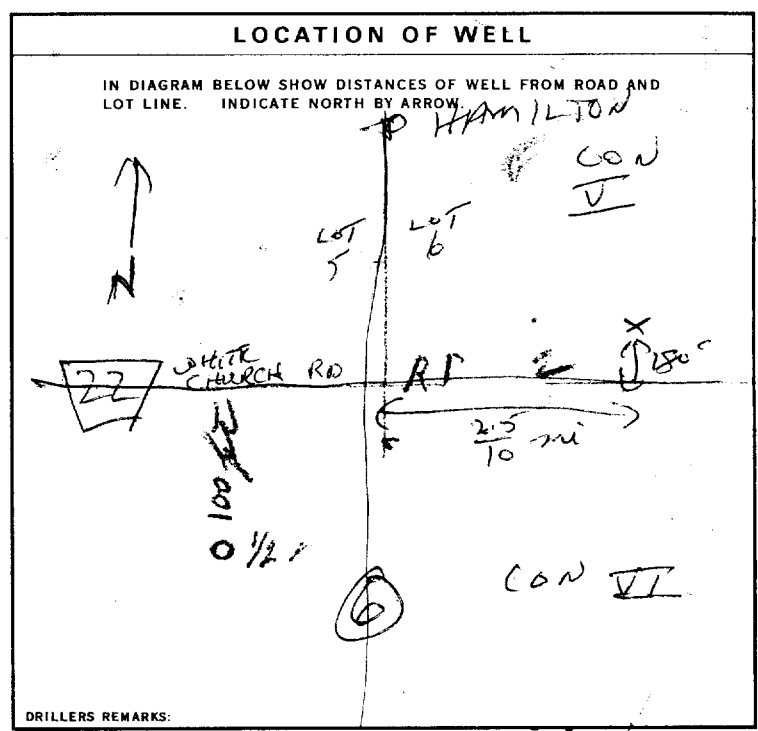
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	(CEMENT GROUT, LEAD PACKER, ETC.)
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 0010 GPM	DURATION OF PUMPING 01 HOURS 00 MINS
STATIC LEVEL 045 FEET	WATER LEVEL END OF PUMPING 100 FEET	WATER LEVELS DURING
15-18	22-24	15 MINUTES 055 FEET
19-21	25-27	30 MINUTES 045 FEET
22-24	28-30	45 MINUTES — FEET
25-27	31-33	60 MINUTES — FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	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 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	

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
	DAY _____ MO. _____ YR. _____

OFFICE USE ONLY

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

CSS SR



WATER WELL RECORD

30m/4e

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

11

6809565

MUNICIPALITY 68.007

CON. CAN

05

COUNTY OR DISTRICT WENTWORTH	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANBROOK	CON., BLOCK, TRACT, SURVEY, ETC. VI	DATE COMPLETED DA 01 MO JULY YR 76
ADDRESS 22 LIMERIDGE RD. E.		LOT NO. 006	
ING. 777240	RC 4	ELEVATION 0714	RO. / SLM CODE 24

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

31	0006 02	0028695	0107305	0108217
32				

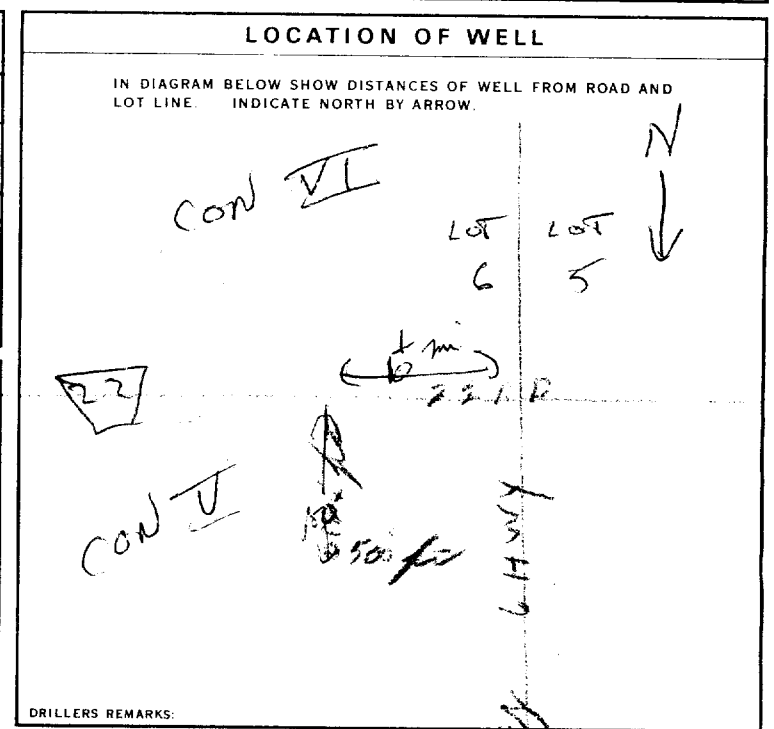
WATER FOUND AT - FEET	KIND OF WATER
10-13 0108	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input checked="" type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL

INSIDE DIAM. - INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
10-11 6 1/4	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	1 1/2	0 0107
17-18	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		20-23
24-25	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		27-30

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

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

PUMPING TEST METHOD <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	PUMPING RATE 3/4 0001 GPM	DURATION OF PUMPING 15-16 HOURS 00 17-18 MINS.
STATIC LEVEL 049 FEET	WATER LEVEL END OF PUMPING 108 FEET	WATER LEVELS DURING
		15 MINUTES 096 FEET 30 MINUTES 074 FEET 45 MINUTES 069 FEET 1 HOUR 060 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	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 PUMPING RATE 3/4 0001 GPM



FINAL STATUS OF WELL 1	<input 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"/> UNFINISHED
WATER USE 01	<input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> STOCK <input type="checkbox"/> IRRIGATION <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> MUNICIPAL <input type="checkbox"/> PUBLIC SUPPLY <input type="checkbox"/> COOLING OR AIR CONDITIONING <input type="checkbox"/> NOT USED
METHOD OF DRILLING 1	<input checked="" type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> ROTARY (REVERSE) <input type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> AIR PERCUSSION	<input type="checkbox"/> BORING <input type="checkbox"/> DIAMOND <input type="checkbox"/> JETTING <input type="checkbox"/> DRIVING

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 RECORDED 240377
	DATE OF INSPECTION July 27/76	INSPECTOR AT	
	REMARKS		
			<input type="checkbox"/> P <input type="checkbox"/> WI



WATER WELL RECORD

30m/40

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

11 10809566 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
777100		ELEVATION 4 0712	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	110
	GREY LIMESTONE			110	115

31 0006 02 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

0115

51 CASING & OPEN HOLE RECORD

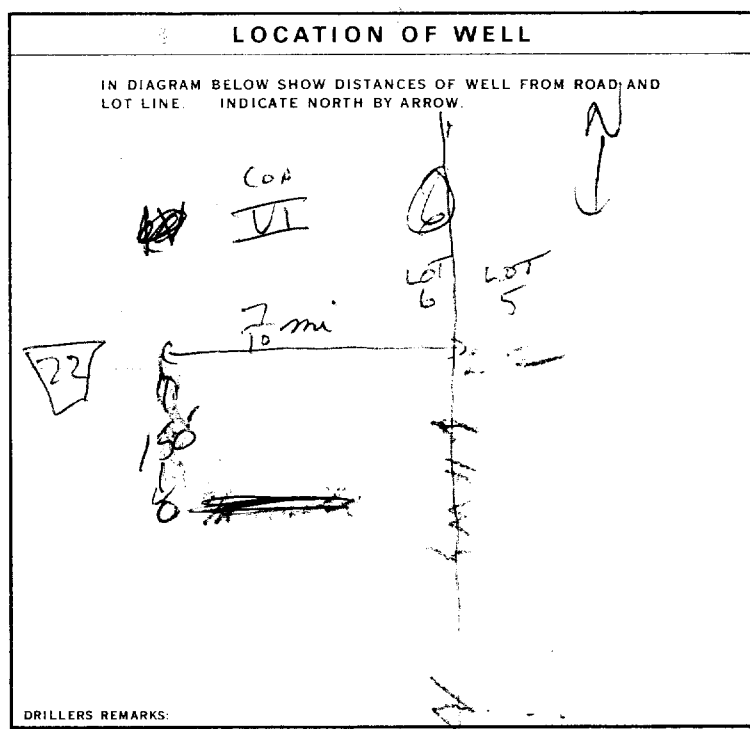
INSIDE DIAM - INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1/4	0 0111
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		20-23
	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.)
10-13	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST

PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE 0030 GPM	DURATION OF PUMPING 15-16 HOURS 00 MINS
STATIC LEVEL 055 FEET	WATER LEVEL END OF PUMPING 055 FEET	WATER LEVELS DURING 15 MINUTES 055 FEET 30 MINUTES - FEET 45 MINUTES - FEET 60 MINUTES - FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT 070 GPM	WATER AT END OF TEST 0005 FEET



FINAL STATUS OF WELL

1 WATER SUPPLY
2 OBSERVATION WELL
3 TEST HOLE
4 RECHARGE WELL

WATER USE

1 DOMESTIC
2 STOCK
3 IRRIGATION
4 INDUSTRIAL
5 OTHER

METHOD OF DRILLING

1 CABLE TOOL
2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE)
4 ROTARY (AIR)
5 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank Ince**
ADDRESS: **175 Alderwood Ave. Hamilton**
LICENCE NUMBER: **2803**

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: **[Signature]**

REMARKS: _____

CSS.S8



WATER WELL RECORD

30m/4e

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

11

16809577

MUNICIP 68007

CON. CON

05

COUNTY OR DISTRICT WENTWORTH	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE CLANBROOK	CON. BLOCK, TRACT, SURVEY, ETC. 5	LOT 006
DATE COMPLETED DAY 11 MO NOV YR 76			
NG 177120	RC 4	ELEVATION 0712	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
	BRN SAND			4	27
	BLUP CLAY			27	108
	CLAY SANDSTONE			108	110

31	0004 02	0027605	0108305	0110217
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0110	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	
			FROM	TO
10-11 06	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	1/2	0	0109
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

SCREEN

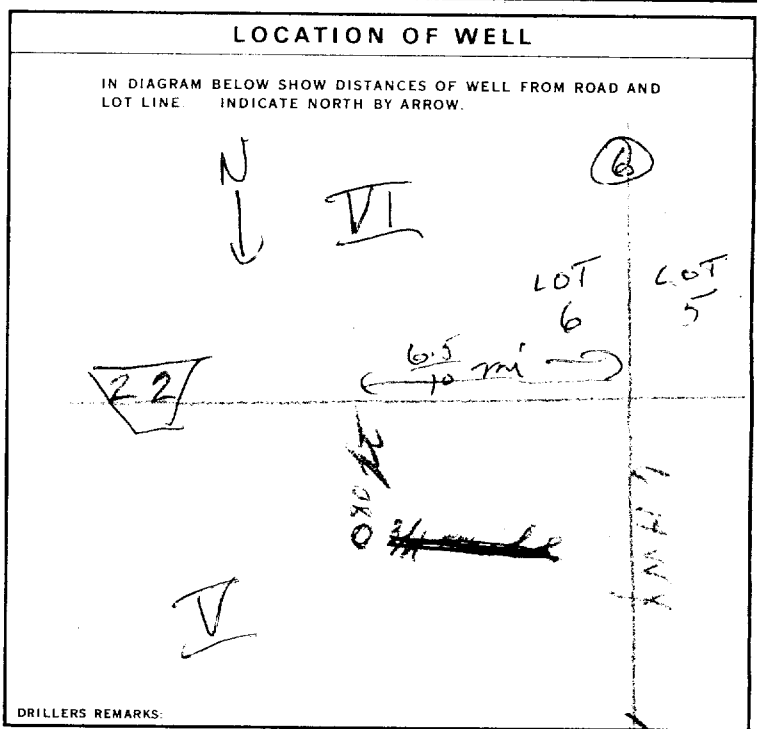
SIZE(S) OF OPENING (SLOT NO.)	31-33	DIAMETER	34-38	LENGTH	39-40
MATERIAL AND TYPE	INCHES		FEET		
	DEPTH TO TOP OF SCREEN		41-44	80	

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 METHOD

1 <input type="checkbox"/> PUMP	2 <input checked="" type="checkbox"/> BAILER	10 PUMPING RATE 0010	11-14 DURATION OF PUMPING GPM 01	15-16 HOURS 00	17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING		RECOVERY	
19-21 040	22-24 100	15 MINUTES 040	30 MINUTES	45 MINUTES	60 MINUTES
IF FLOWING, GIVE RATE		38-41 PUMP INTAKE SET AT	WATER AT END OF TEST		
RECOMMENDED PUMP TYPE		43-45 RECOMMENDED PUMP SETTING	46-49 RECOMMENDED PUMPING		
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP		FEET 100	GPM 0005		



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 checked="" 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
<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
Frank Jones LICENCE NUMBER **2803**

ADDRESS
175 Alderwood Ave. Hamilton

NAME OF DRILLER OR BORER

SIGNATURE OF CONTRACTOR
Frank Jones

SUBMISSION DATE
DAY _____ MO _____ YR _____

OFFICE USE ONLY

DATA SOURCE 1

CONTRACTOR 58-62 **2803**

DATE RECEIVED **2.40377**

DATE OF INSPECTION **July 27/77**

INSPECTOR *[Signature]*

REMARKS:

CSS.S8

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WI

WATER WELL RECORD

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

11

6810803

MUNICIP

CON.

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 <u>109</u>	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	
			FROM	TO
10-11 <u>6 1/4</u>	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	<u>203</u>	<u>0</u>	<u>109</u>
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

SCREEN

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

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	<u>20</u> GPM	<u>1</u> HOURS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<u>60</u> FEET	<u>60</u> FEET	15 MINUTES: <u>60</u> FEET 30 MINUTES: <u>60</u> FEET 45 MINUTES: <u>60</u> FEET 60 MINUTES: <u>60</u> FEET
IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	<u>90</u> 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	<u>90</u> FEET	<u>5</u> GPM

LOCATION OF WELL

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

10m
20m

DRILLERS REMARKS:

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

OFFICE USE ONLY

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

CSS.ES

1. PRINT ONLY IN SPACES PROVIDED
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11 6811293

COUNTY OR DISTRICT: Whitechurch TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Columbiana CON. BLOCK, TRACT, SURVEY, ETC.: 5 LOT: 25-27 9

DATE COMPLETED: DAY 25 MO 05 YR 87

ADDRESS: 175 Aldercrest Ave

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	22
Blue	CLAY			22	101
GRAY	Lime Rock			101	105

31 32

4 WATER RECORD

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

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	188	0	102
	STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			20-23
	STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE			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.)
FROM TO	
10-13	14-17
18-21	22-25
26-29	30-33

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	20 GPM	1 15-16 HOURS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
55 FEET	55 FEET	15 MINUTES 26-28 FEET 30 MINUTES 29-31 FEET 45 MINUTES 32-34 FEET 60 MINUTES 35-37 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	90 FEET	<input checked="" type="checkbox"/> CLEAR <input 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.

45 ft
1 km
N
Whitechurch Rd
Miles Rd
08207

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

CONTRACTOR

NAME OF WELL CONTRACTOR: Frank Choe LICENCE NUMBER: 2803

ADDRESS: 175 Aldercrest Ave

NAME OF DRILLER OR BORER: Howard Patchard LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Frank Choe SUBMISSION DATE: DAY 2 MO 10 YR 87

OFFICE USE ONLY

DATE OF INSPECTION: OCT 29 1987

INSPECTOR:

REMARKS:

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

11

6811407

MUNICIPALITY: _____ LOCATION: _____

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

DATE COMPLETED: DAY 24 MO 3 YR 88

ADDRESS: 55 White church rd Mount Hope

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>16</u>
	<u>Blue Clay</u>			<u>16</u>	<u>102</u>
	<u>Grey Shale Rock</u>			<u>102</u>	<u>103</u>
	<u>Grey Lime Rock</u>			<u>103</u>	<u>110</u>

31 _____ 32 _____

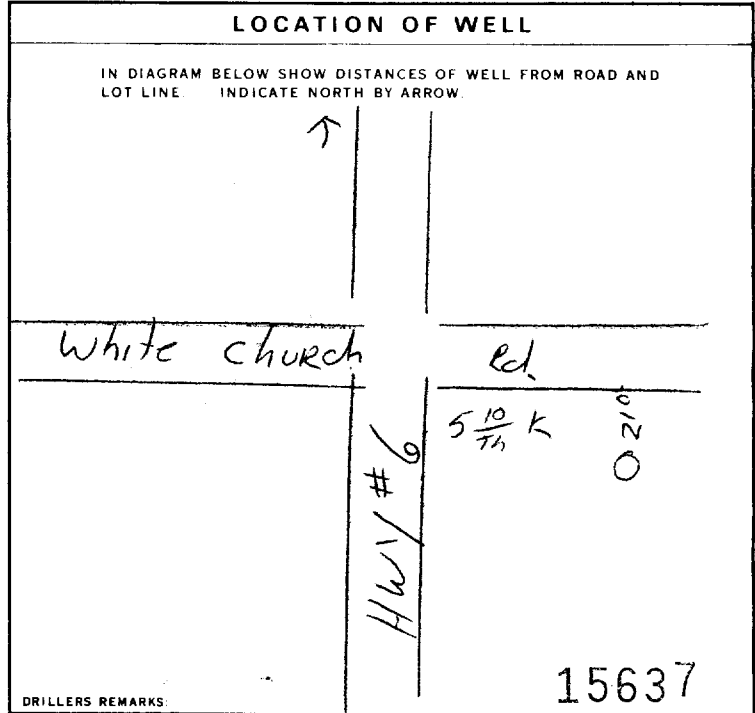
WATER FOUND AT - FEET	KIND OF WATER					
<u>102</u>	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/>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

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
<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>1-3/8</u>	<u>0</u>	<u>103</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			

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

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

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	<u>1</u> GPM	<u>3</u> HOURS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
<u>40</u> FEET	<u>103</u> FEET	15 MINUTES: <u>95</u> FEET 30 MINUTES: <u>80</u> FEET 45 MINUTES: <u>70</u> FEET 60 MINUTES: <u>60</u> FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	<u>107</u> FEET	<input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	<u>107</u> FEET	<u>1</u> GPM



FINAL STATUS OF WELL	WATER USE	METHOD OF CONSTRUCTION
<input 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"/> UNFINISHED <input type="checkbox"/> DEWATERING	<input checked="" type="checkbox"/> DOMESTIC <input type="checkbox"/> STOCK <input type="checkbox"/> IRRIGATION <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CABLE TOOL <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> ROTARY (REVERSE) <input type="checkbox"/> ROTARY (AIR) <input 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: <u>Frank Lance</u>	WELL CONTRACTOR'S LICENCE NUMBER: <u>2803</u>
ADDRESS: <u>175 Alden crest Ave.</u>	
NAME OF WELL TECHNICIAN: <u>Frank Lance</u>	WELL TECHNICIAN'S LICENCE NUMBER: <u>TC 355</u>
SIGNATURE OF TECHNICIAN/CONTRACTOR: <u>Frank Lance</u>	SUBMISSION DATE: DAY <u>8</u> MO <u>4</u> YR <u>88</u>

DATA SOURCE	CONTRACTOR: <u>2803</u>	DATE RECEIVED: <u>APR 14 1988</u>
DATE OF INSPECTION	INSPECTOR	
REMARKS		

CSS.ES

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

6812613

MUNICIPALITY 68007

CON. CAN. 107

COUNTY OR DISTRICT: [redacted] TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Outlook CON. BLOCK, TRACT, SURVEY ETC: 6 LOT: 7
 DATE COMPLETED: DAY 08 MO 06 YR. 95
528 Whitechurch Rd

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>3</u>
<u>Brown</u>	<u>Clay</u>			<u>3</u>	<u>16</u>
<u>Blue</u>	<u>Clay (Sandy)</u>			<u>16</u>	<u>98</u>
<u>Brown</u>	<u>Muddy Shale</u>			<u>98</u>	<u>100</u>

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER					
<u>99</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	<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
<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>99</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			

SCREEN

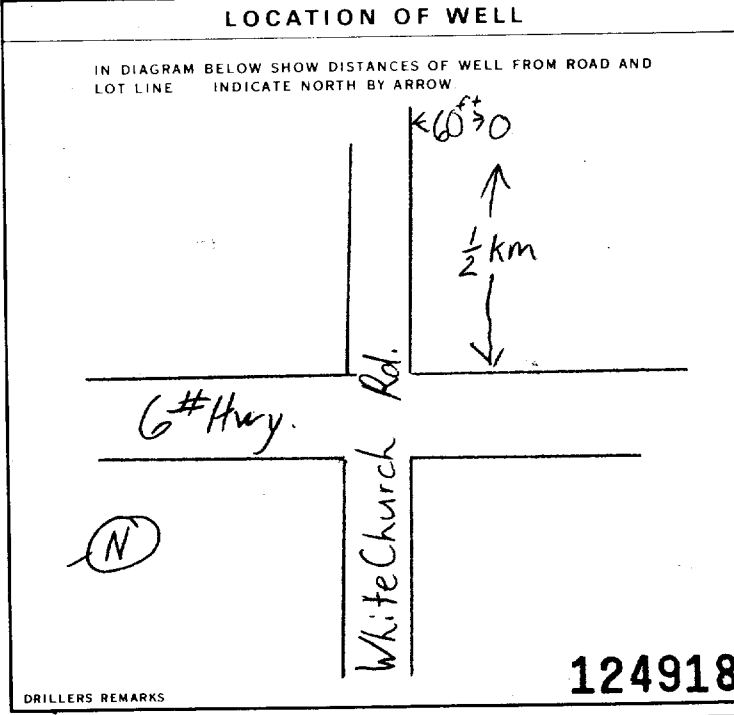
SIZE OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	PUMPING RATE: <u>20</u> GPM	DURATION OF PUMPING: <u>2</u> HOURS
STATIC LEVEL: <u>50</u> FEET	WATER LEVEL END OF PUMPING: <u>80</u> FEET	WATER LEVELS DURING:
IF FLOWING, GIVE RATE: <u>95</u> GPM	PUMP INTAKE SET AT: <u>95</u> FEET	WATER AT END OF TEST: <u>42</u> FEET
RECOMMENDED PUMP TYPE: <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING: <u>95</u> FEET	RECOMMENDED PUMPING RATE: <u>8</u> 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 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 Place
 ADDRESS: 175 Aldercrest Av. Hamilton Ont.
 NAME OF WELL TECHNICIAN: Kevin Place
 SIGNATURE OF TECHNICIAN: Kevin Place
 WELL CONTRACTOR'S LICENCE NUMBER: 2803
 WELL TECHNICIAN'S LICENCE NUMBER: 72497
 SUBMISSION DATE: _____

OFFICE USE ONLY

DATA SOURCE: 2803 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 **6**
 RR#/Street Number/Name **8321 White Church Rd.** City/Town/Village **Mounthope** Site/Compartment/Block/Tract etc.
 GPS Reading NAD **83** Zone **17** Easting **588500** Northing **4777258** Unit Make/Model **Magellan Blazer 12** Mode of Operation: Undifferentiated Averaged Differentiated, specify _____

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
brown	clay			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

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To
Casing				
15.9	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	188	+5	31
Screen				
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	Slot No.		
No Casing or Screen				
	<input checked="" type="checkbox"/> 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 depth at - (metres)	30	Static Level 12.5		12.5
Pumping rate (litres/min)	45	1 13.4	1	12.6
		13.4		12.5
Duration of pumping (hrs + min)	1 0	2 13.4	2	12.5
Final water level end of pumping (metres)	13.6	3 13.4	3	12.5
Recommended pump type. <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep		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
	15 13.5	15	15	12.5
If flowing give rate - (litres/min)	20 13.5	20	20	12.5
	25 13.6	25	25	12.5
If pumping discontinued, give reason.	30 13.6	30	30	12.5
	40 13.6	40	40	12.5
	50 13.6	50	50	12.5
	60 13.6	60	60	12.5

Water Record

Water found at **31.5** metres Kind of Water Fresh Sulphur Gas Salty Minerals

Other: _____

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

Chlorinated Yes No

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

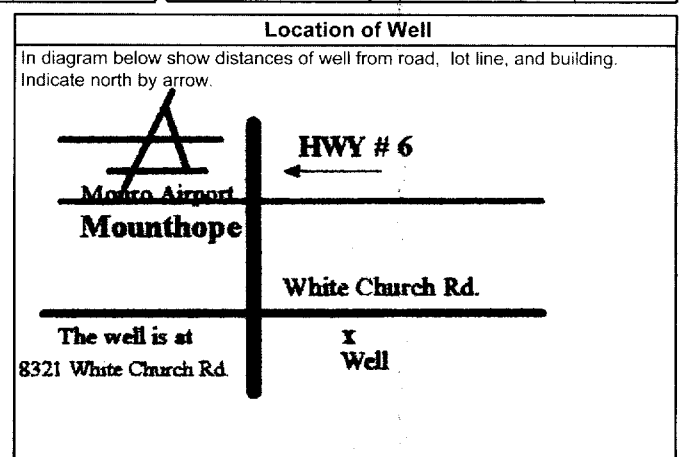
Domestic Industrial Public Supply Other
 Stock Commercial Not used
 Irrigation Municipal Cooling & air conditioning

Final Status of Well

Water Supply Recharge well Unfinished Abandoned, (Other)
 Observation well Abandoned, insufficient supply Dewatering
 Test Hole Abandoned, poor quality Replacement well

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 *Mervyn Packham* Date Submitted **04 06 22**



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

Ministry Use Only

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

Appendix 1B

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

UTM 17 E



GROUND WATER BRANCH
SEP 12 1962
68 No 4094
ONTARIO WATER RESOURCES COMMISSION

V5R 0730N

Elev. 4R 0730

The Ontario Water Resources Commission Act

WATER WELL RECORD

Basin 29
County or District Wentworth
Con. 5 Lot 11

Township, Village, Town or City Gloxford
Date completed 19 June 62
(day month year)
Address Rt 4 Gloxford Station

Casing and Screen Record

Inside diameter of casing 6 1/4
Total length of casing 90
Type of screen ---
Length of screen ---
Depth to top of screen ---
Diameter of finished hole 6 1/4

Pumping Test

Static level 94 60
Test-pumping rate 10 GPH
Pumping level 130
Duration of test pumping 8 HRS.
Water clear or cloudy at end of test clear
Recommended pumping rate 3 G.P.M.
with pump setting of 125 feet below ground surface for short periods

Well Log

Overburden and Bedrock Record

Clay
fine Red

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

0

90

112

fresh

90

130

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 Pookhom

Address Smithville

Licence Number 420

Name of Driller or Borer W Pookhom

Address Smithville

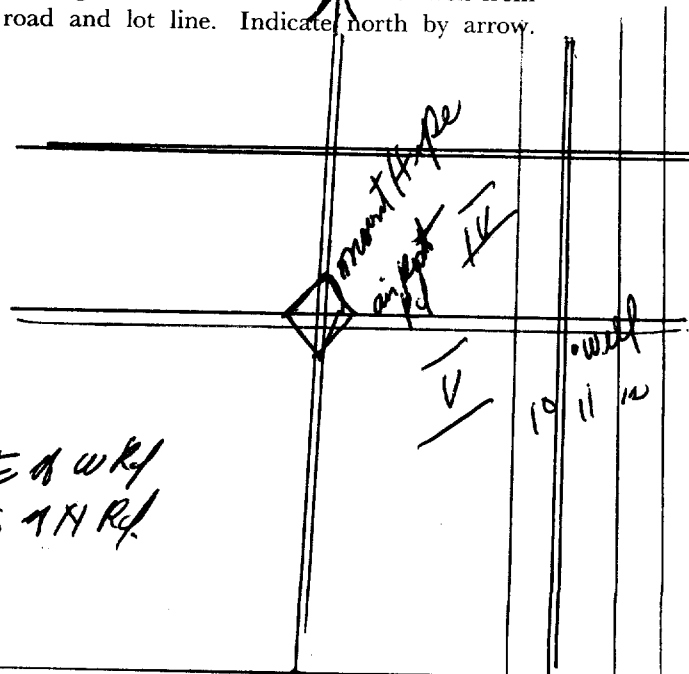
Date June 19/62

Wesley Pookhom
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M-61-3852

Location of Well

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



50ft East of Rdy
150ft S 1st Rf.



Water management in Ontario

30M/4e J.B.

6807153
3 9

17-590920
4R 4777360
4R 9740

The Ontario Water Resources Commission Act

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 1/4**
Total length of casing **95**
Type of screen _____
Length of screen _____
Depth to top of screen _____
Diameter of finished hole **6"**

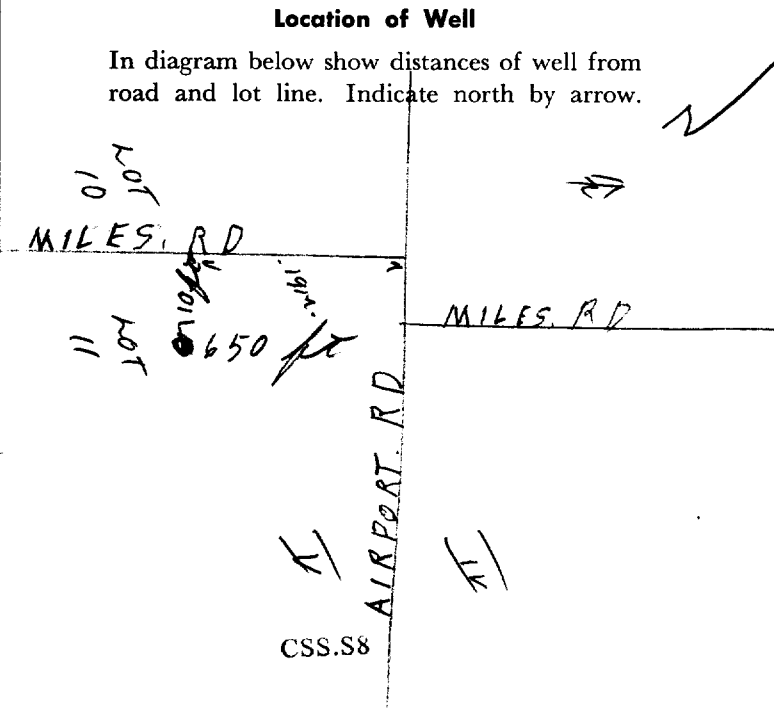
Static level **55**
Test-pumping rate **10** G.P.M.
Pumping level **90**
Duration of test pumping **1 hour**
Water clear or cloudy at end of test **Clear**
Recommended pumping rate **5** G.P.M.
with pump setting of **30** feet below ground surface

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)
<i>Brown Clay</i>	0	16	96	<i>fresh</i>
<i>Blue Clay</i>	16	94		
<i>Limerock</i>	94	100		

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 _____
Name of Driller or Borer **Frank Ince**
Address **175 Aldercrest Ave**
Date **June 27**
Frank Ince
(Signature of Licensed Drilling or Boring Contractor)



6811170

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MUNICIP. _____ CON. _____

COUNTY OR DISTRICT: **WEAVER** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **CLANBROOK** CON., BLOCK, TRACT, SURVEY, ETC: **5** LOT: **10**

ADDRESS: **MOXLEY DR.** DATE COMPLETED: DAY **29** MO **April** TR. **86**

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	TOP SOIL			0	3
BROWN	CLAY			3	16
BLUE	CLAY			16	94
GREY	LIMESTONE			94	103

31 _____ 32 _____

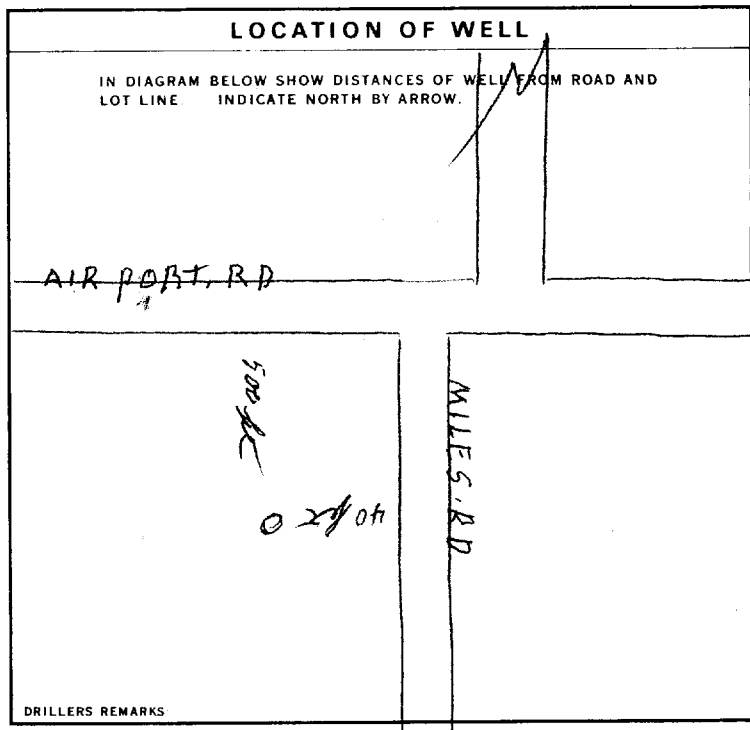
41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
96	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	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	
			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
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			27-30

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	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	
PUMPING TEST METHOD 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	PUMPING RATE 4 GPM
19-21 50 FEET	22-24 103 FEET
25-28 70 FEET	29-31 60 FEET
32-34 50 FEET	35-37 50 FEET
38-41 PUMP INTAKE SET AT _____ GPM	42 WATER AT END OF TEST _____ FEET
43-45 RECOMMENDED PUMP SETTING 100 FEET	46-49 RECOMMENDED PUMPING RATE 4 GPM



54 FINAL STATUS OF WELL	1 <input type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED, POOR QUALITY 7 <input type="checkbox"/> UNFINISHED
55-56 WATER USE	1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL 5 <input type="checkbox"/> OTHER	5 <input type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING 9 <input type="checkbox"/> NOT USED
57 METHOD OF DRILLING	1 <input checked="" type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION	6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING

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 DAY _____ NO. _____ YR. _____

OFFICE USE ONLY	DATA SOURCE	CONTRACTOR	DATE RECEIVED 060487
	DATE OF INSPECTION	INSPECTOR	
	REMARKS		

CSS.ES



6812252

MUNICIPALITY 68007

CON. 105

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COUNTY OR DISTRICT [REDACTED] TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Altonbrook CON. BLOCK TRACT SURVEY ETC #85 LOT 25-27 10

220 Miles Rd Mount Hope DATE COMPLETED 48-53 DAY 7 MO 10 YR 92

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			
100-100'6"	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	6 <input type="checkbox"/> GAS
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	6 <input type="checkbox"/> GAS
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	6 <input type="checkbox"/> GAS
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	6 <input type="checkbox"/> GAS
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	6 <input type="checkbox"/> GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
6 1/2	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	1.188	100	100'6"
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 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	

SCREEN SIZE(S) OF OPENING (SLOT NO.) 31-33 DIAMETER 34-38 LENGTH 39-40

MATERIAL AND TYPE PIPE slot 100'6" DEPTH TO TOP OF SCREEN 41-44

71 PUMPING TEST

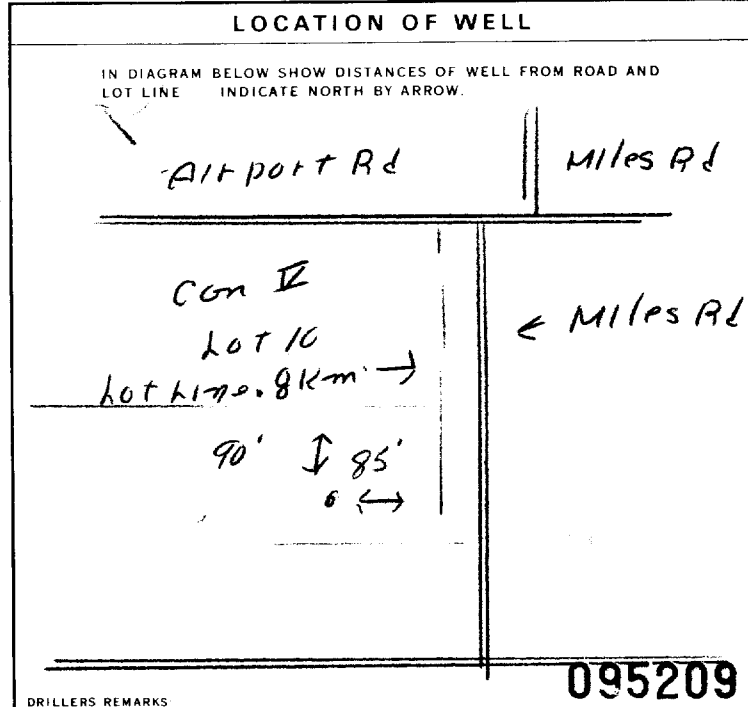
PUMPING TEST METHOD air 10 PUMPING RATE 25 GPM 11-14 DURATION OF PUMPING 3 HOURS 15-16

1 PUMP 2 BAILER

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
60	105	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		26-28	29-31	32-34	35-37

IF FLOWING GIVE RATE 38-41 PUMP INTAKE SET AT 105 FEET WATER AT END OF TEST 42 1 CLEAR 2 CLOUDY

RECOMMENDED PUMP TYPE 43-45 1 SHALLOW 2 DEEP RECOMMENDED PUMP SETTING 105 FEET RECOMMENDED PUMPING RATE 6 GPM 46-49



FINAL STATUS OF WELL 54

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

WATER USE 55-56

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

METHOD OF CONSTRUCTION 57

1 CABLE TOOL 6 BORING
2 ROTARY (CONVENTIONAL) 7 DIAMOND
3 ROTARY (REVERSE) 8 JETTING
4 ROTARY (AIR) 9 DRIVING
5 AIR PERCUSSION 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 101103

SIGNATURE OF TECHNICIAN/CONTRACTOR D Lougheed SUBMISSION DATE DAY 26 MO 10 YR 92

OFFICE USE ONLY

DATA SOURCE 58 CONTRACTOR 3414 DATE RECEIVED 59-62 OCT 28 1992 63-68 60

DATE OF INSPECTION INSPECTOR

REMARKS

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11- 6812646 MUNICIP 68007 CON. 105

COUNTY OR DISTRICT: [redacted] TOWNSHIP BOROUGH CITY, TOWN VILLAGE: Chabrook CON. BLOCK TRACT 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 Clay</u>			<u>4</u>	<u>16</u>
	<u>Blue Clay</u>			<u>16</u>	<u>100</u>
	<u>Grey Lime Rock</u>			<u>100</u>	<u>130</u>

31 [] 32 []

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER					
<u>12-13</u>	<input type="checkbox"/> FRESH	<input checked="" type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
<u>15-18</u>	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
<u>20-23</u>	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
<u>25-28</u>	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERALS	<input type="checkbox"/> GAS	
<u>30-33</u>	<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
<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>102</u>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> PLASTIC			

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.)
<u>10-13</u>		
<u>18-21</u>		
<u>26-29</u>		

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	<u>1</u> GPM	<u>2</u> HOURS <u>—</u> MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
<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>

IF FLOWING GIVE RATE: 128 GPM

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: 128 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.

Whitechurch Rd. ← 400 ft → (N) ↑ 100 ft ↓ Miles Rd.

DRILLERS REMARKS: **124980**

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: Tomank & 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 09 YR 95

OFFICE USE ONLY

DATA SOURCE: 2803 CONTRACTOR: 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

11

6813175

Municipality 68007 Con. 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 04 98
day month year

21 22 23 24
Northings 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
	<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>

31 32

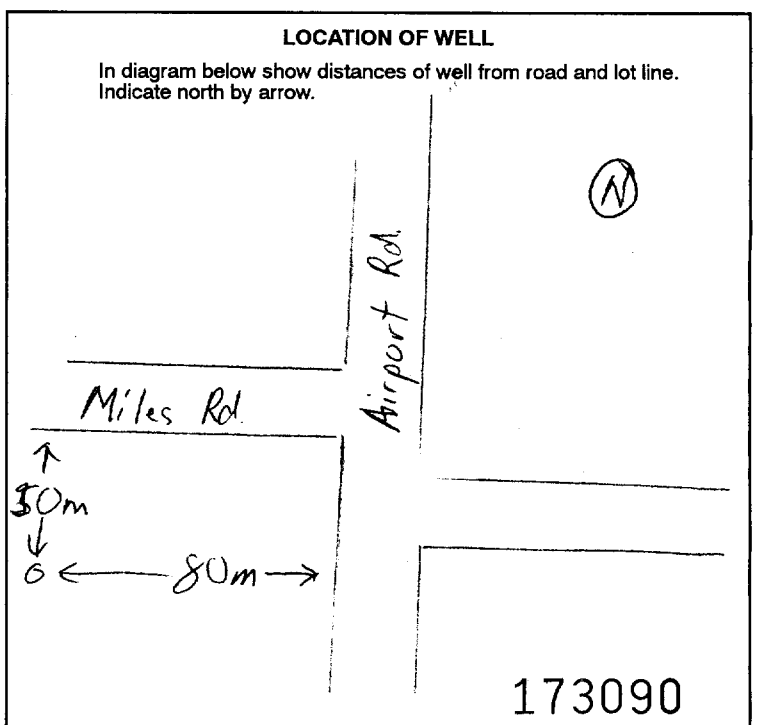
41 WATER RECORD			
Water found at - feet	Kind of water		
<u>95</u>	<input checked="" type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals
	<input type="checkbox"/> Salty	<input type="checkbox"/> Gas	
	<input 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	
			From	To
<u>6 1/4</u>	<input checked="" type="checkbox"/> Steel	<u>.198</u>	<u>0</u>	<u>94 1/2</u>
	<input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Concrete			
	<input type="checkbox"/> Open hole			
	<input type="checkbox"/> Plastic			
	<input type="checkbox"/> Steel			<u>20-23</u>
	<input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Concrete			
	<input type="checkbox"/> Open hole			
	<input type="checkbox"/> Plastic			
	<input type="checkbox"/> Steel			<u>27-30</u>
	<input type="checkbox"/> Galvanized			
	<input type="checkbox"/> Concrete			
	<input type="checkbox"/> Open hole			
	<input type="checkbox"/> Plastic			

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>13-15</u>	<u>14-17</u>		
<u>18-21</u>	<u>22-25</u>		
<u>26-29</u>	<u>30-33</u>		

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



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

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

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

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

MUNICIPALITY		CONCESSION	
HAMILTON - WELL		5	

Address of well location (County/District/Municipality)		Township		Lot		Concession	
HAMILTON - WELL		GLANDFORD		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	Mode of Operation:
		813	17	590934	4772825	GARMIN	<input type="checkbox"/> Undifferentiated <input type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify

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	27.43
GREY	LIMESTONE			90	36.57

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

Construction Record				
Inside diam centimetres	Material	Wall thickness centimetres	Depth Metres	
			From	To
15.2	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized	21.90	7.6	27.43

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 1 hrs + 0 min	2	19.96	2	23.13
Final water level end of pumping 24.38 metres	3	20	3	23.11
Recommended pump type. <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep	4	20.10	4	23.08
Recommended pump depth. 35 metres	5	20.20	5	23.04
Recommended pump rate. 2.27 (litres/min)	10	20.63	10	22.89
If flowing give rate - (litres/min)	15	20.98	15	22.75
	20	20.47	20	22.58
	25	21.70	25	22.49
If pumping discontinued, give reason.	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 Metres	Kind of Water
32 m	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other:
35.3 m	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other:
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
	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			

Plugging and Sealing Record		
Depth set at - Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0 to 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. 737900	Date Well Completed 2006 MM DD 10 02
Was the well owner's information package delivered? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Delivered 2006 MM DD 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 O'CONNOR WELL DRILLING LTD	Well Contractor's Licence No. 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) HOWE WAYNE	Well Technician's Licence No. 7518
Signature of Technician/Contractor X [Signature]	Date Submitted YYYY MM DD

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

Appendix 1C

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



The Ontario Water Resources Commission Act 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: **WENT WORTH** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **FLANEDRD** MUNICIPAL: **68007** CON.: **C.P.N.**

OWNER (SURNAME FIRST): **RR # 2 J.C. HOPE** DATE COMPLETED: **07 15 71**

ADDRESS: **55 SPRINGSIDE DR.** ELEVATION: **0740** 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	22
BLUE	CLAY			22	95
GRAY	LIMESTONE			95	100

31 0005 02 0022005 0085305 0100215

32

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
10-14	<input checked="" type="checkbox"/> STEEL	1/8	0 - 86
06	<input type="checkbox"/> GALVANIZED		86 - 100
17-18	<input type="checkbox"/> GALVANIZED		
24-25	<input type="checkbox"/> GALVANIZED		
	<input type="checkbox"/> CONCRETE		
	<input type="checkbox"/> OPEN HOLE		

SCREEN

SIZE(S) 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: PUMP BAILER

PUMPING RATE: **0006** GPM. DURATION OF PUMPING: **01** HOURS **00** MINS.

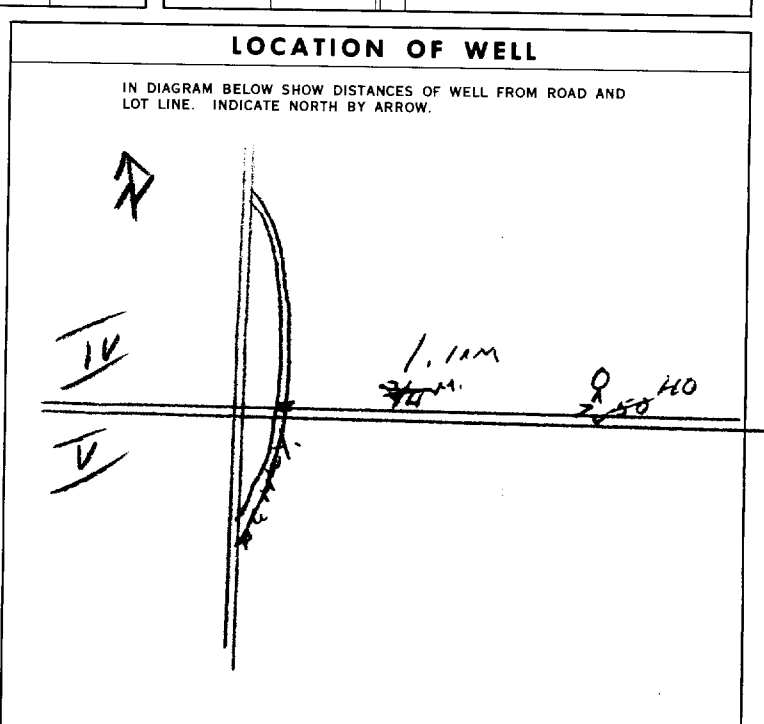
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING	WATER AT END OF TEST
040 FEET	090 FEET	15 MINUTES: 040 FEET 30 MINUTES: 040 FEET 45 MINUTES: 040 FEET 60 MINUTES: 040 FEET	<input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **095** FEET

RECOMMENDED PUMPING RATE: **0005** GPM.

50-53 **000.1** GPM./FT. SPECIFIC CAPACITY



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
 AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: **Frank Jones** LICENCE NUMBER: **2203**

ADDRESS: **175 ...**

NAME OF DRILLER OR BORER: **same** LICENCE NUMBER: _____

SIGNATURE OF CONTRACTOR: **Frank Jones** SUBMISSION DATE: **DAY 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 **7** WI **7**



The Ontario Water Resources Commission Act 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. 68007

CON. C&N

05

COUNTY OR DISTRICT WENTWORTH TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANFORD CON., BLOCK, TRACT, SURVEY, ETC. LOT 000

OUNT HOPE

DATE COMPLETED 05⁰⁰ 72
DAY 20 MO. MAY YR. 1972

78.370 RC 4 ELEVATION 0760 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	LIMEROCK			124	138

31 0000 02 0024005 0124305 0138215
32

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	
			FROM	TO
6 1/4	<input checked="" type="checkbox"/> STEEL	180	0	125
06	<input type="checkbox"/> GALVANIZED			0/25
17-18	<input type="checkbox"/> STEEL		125	138
24-25	<input type="checkbox"/> STEEL			0/38

SCREEN

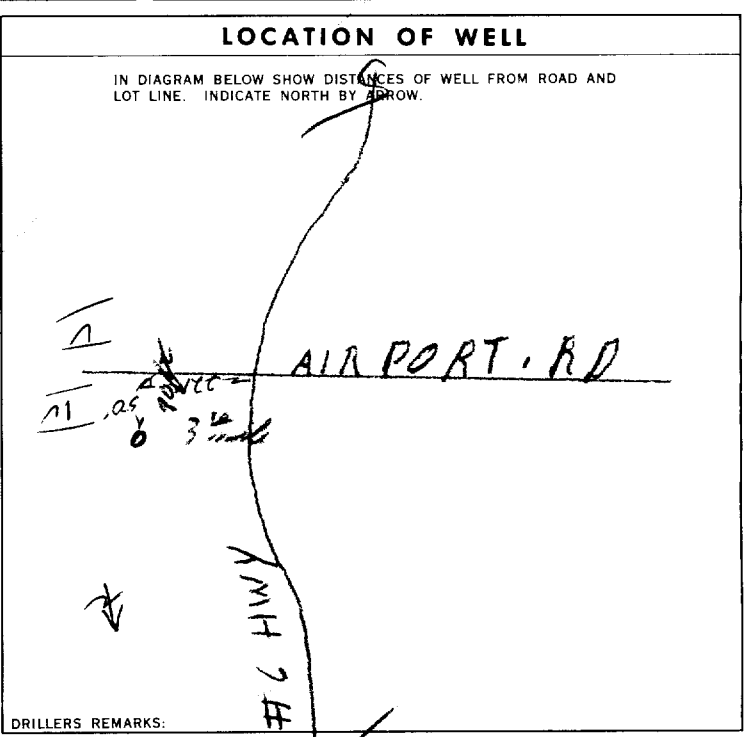
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

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

PUMPING TEST METHOD	<input type="checkbox"/> PUMP	<input checked="" type="checkbox"/> BAILER
PUMPING RATE	0002	GPM.
DURATION OF PUMPING	02	HOURS
	00	MIN.
STATIC LEVEL	045	FEET
WATER LEVEL END OF PUMPING	138	FEET
WATER LEVELS DURING	118	FEET
	103	FEET
	090	FEET
	080	FEET
RECOMMENDED PUMP TYPE	<input checked="" type="checkbox"/> DEEP	
RECOMMENDED PUMP SETTING	135	FEET
RECOMMENDED PUMPING RATE	0002	GPM.
RECOMMENDED PUMPING RATE	135	GPM.



FINAL STATUS OF WELL

WATER USE 01

METHOD OF DRILLING

CONTRACTOR

NAME OF WELL CONTRACTOR: FRANK INCE
ADDRESS: 175 ALDERCREST AVE. HAMILTON
LICENCE NUMBER: 2803

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
INSPECTOR: [Signature]

REMARKS: [Blank]

CSS.S8
P 7
WI



Ontario

WATER WELL RECORD

30m/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 3
 CON., BLOCK, TRACT, SURVEY, ETC.: 5 LOT: 009 22 23 24
 DATE COMPLETED: 07 MO. 06 YR. 75

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

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 <u>0100</u>	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input checked="" 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

INCHES DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>06 1/2</u>	<u>STEEL</u>	<u>188</u>	<u>0</u>	<u>0094</u>
<u>6 1/4</u>	<u>STEEL</u>			<u>20-23</u>
<u>6 1/4</u>	<u>STEEL</u>			<u>27-30</u>

SCREEN

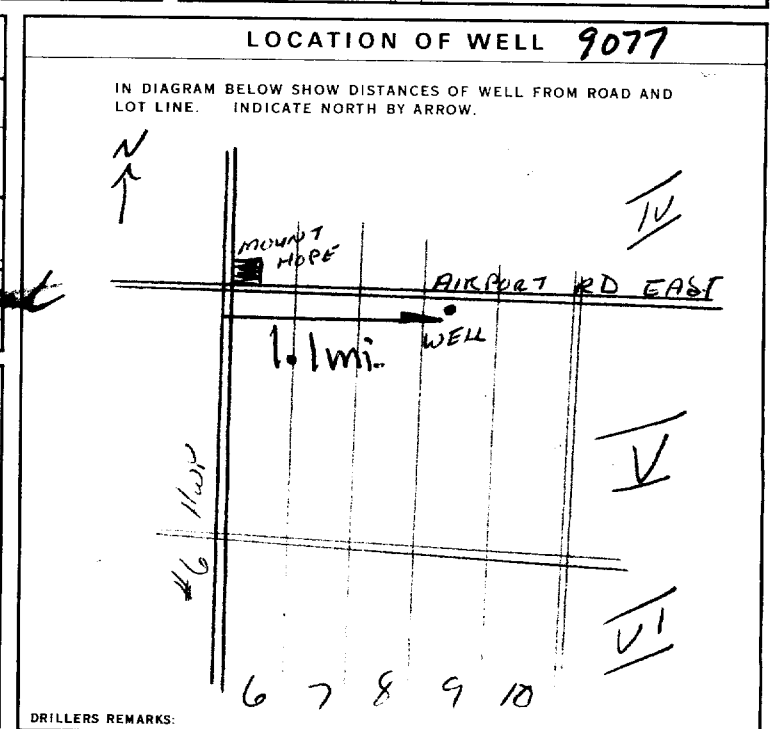
SIZES OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	
	41-44 80 FEET	

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 80	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	<u>0000</u> 14 GPM	01 15-16 00 17-18 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
19-21 <u>049</u> FEET	22-24 <u>110</u> FEET	15 MINUTES 29-31 <u>103</u> FEET 30 MINUTES 32-34 <u>096</u> FEET 45 MINUTES 35-37 <u>089</u> FEET 60 MINUTES 38-41 <u>082</u> FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	GPM	42
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	<u>105</u> FEET	<u>0004</u> GPM



FINAL STATUS OF WELL

WATER USE

METHOD OF DRILLING

CONTRACTOR

NAME OF WELL CONTRACTOR: Wesley Rockham LICENCE NUMBER: 4208

ADDRESS: RR2 Ancaster

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

SIGNATURE OF CONTRACTOR: Wesley Rockham SUBMISSION DATE: DAY 7 MO. June YR. 75

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4208 DATE RECEIVED: 300176

DATE OF INSPECTION: _____ INSPECTOR: _____

REMARKS: _____

P/S
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Ontario

WATER WELL RECORD

30m/42

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

11 6809329 68.007 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. 75

78300 4 0762 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	26
BLUE	CLAY			26	101
GREY	LIMESTONE			101	106

31 0004 02 0026605 0101365 0106215

32

41 WATER RECORD

WATER FOUND AT - 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 DIAM. 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
06	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE			20-23
	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: _____

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

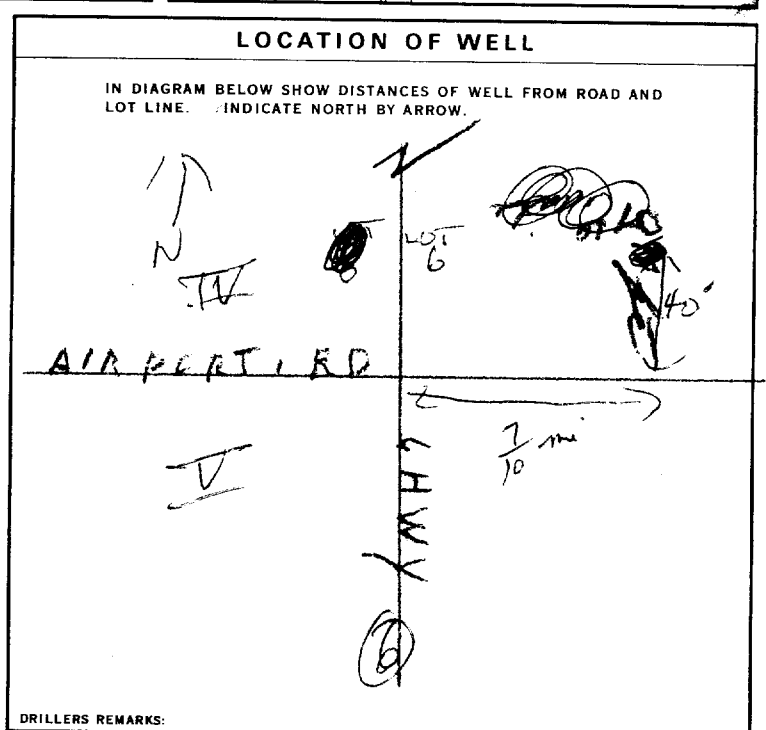
71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> SAILER	0020 GPM	01 00 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
061	061	15 MINUTES: 061 30 MINUTES: — 45 MINUTES: — 60 MINUTES: —

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

RECOMMENDED PUMP TYPE: SHALLOW DEEP RECOMMENDED PUMP SETTING: 090 RECOMMENDED PUMPING RATE: 0005



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 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: 050476
DATE OF INSPECTION: July 28/77 INSPECTOR: _____
REMARKS: _____
P
WI

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

11 6810237 68.007 CAN 04

COUNTY OR DISTRICT: **WENT WORTH** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **GHAMBROOK** CON. BLOCK, TRACT, SURVEY ETC.: **4679-11277** LOT: **009**

OWNER (SURNAME FIRST): [REDACTED] ADDRESS: **7380 AIRPORT RD. MOUNT HOPE** DATE COMPLETED: **07 07 80**

U.T.N. ZONE: **17** EASTING: **589980** 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 LIMESTONE			89	96

31 0005 02 0020605 0089305 0096215

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 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	1.88	0-090
17-18	1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		20-23
24-25	1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		27-30

SCREEN

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

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

PUMPING TEST METHOD: 1 PUMP 2 BAILER

PUMPING RATE: **20** GPM

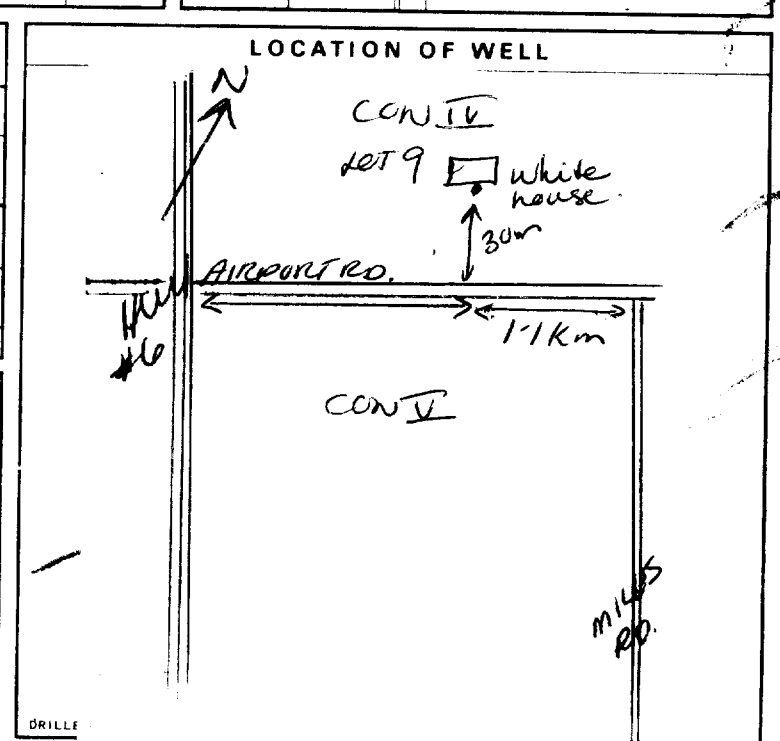
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING PUMPING			
19-21	22-24	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
056	056				

IF FLOWING, GIVE RATE: **090** GPM

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **090** FEET



FINAL STATUS OF WELL 1

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 Jace** LICENCE NUMBER: **2803**

ADDRESS: **175 Aldercrest Ave. Hamilton**

NAME OF DRILLER OR BORER: [REDACTED] LICENCE NUMBER: [REDACTED]

SIGNATURE OF CONTRACTOR: **Frank Jace** SUBMISSION DATE: [REDACTED]

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **2803** DATE: **07 04 81**

DATE OF INSPECTION: [REDACTED] INSPECTOR: **Mays 87**

REMARKS: [REDACTED]

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 48-55 DAY 30 NO. 370 AIRPORT-MOUNT-HWY 80
 INC: 78020 RC: 4 ELEVATION: 0750 RC: 4 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
 32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
009 5	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	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	1/8	0 (009 0)
	2 <input type="checkbox"/> GALVANIZED		
	3 <input type="checkbox"/> CONCRETE		
	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: 41-44 FEET

61 PLUGGING & SEALING RECORD

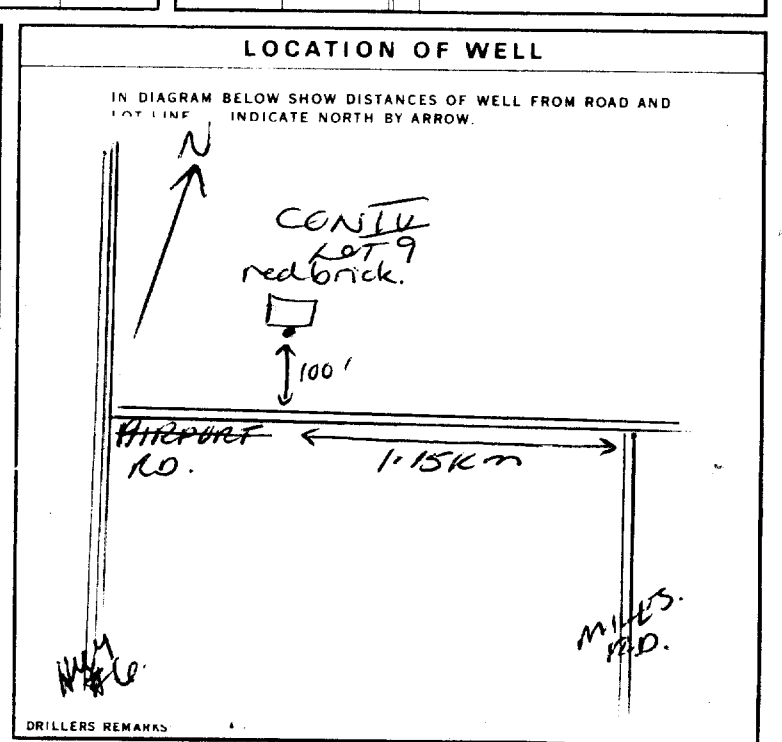
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17
18-21	22-25
26-29	30-33 80

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	0015	01 15-16 00 17-18

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
064	088	15 MINUTES: 064 26-28 30 MINUTES: - 29-31 45 MINUTES: - 32-34 60 MINUTES: - 35-37

IF FLOWING, GIVE RATE: 38-41 GPM
 PUMP INTAKE SET AT: FEET
 WATER AT END OF TEST: 1 CLEAR 2 CLOUDY
 RECOMMENDED PUMP TYPE: SHALLOW DEEP
 RECOMMENDED PUMP SETTING: 095 FEET
 RECOMMENDED PUMPING: 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
 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: Frank Lane 2803
 ADDRESS: 175 Aldercrest Ave. Hamilton
 NAME OF DRILLER OR BORER: LICENCE NUMBER:
 SIGNATURE OF CONTRACTOR: SUBMISSION DATE: DAY MO YR.

OFFICE USE ONLY: DATA SOURCE: 1 CONTRACTOR: 2803 DATE RECEIVED: 070481
 DATE OF INSPECTION: INSPECTOR: M. J. 82
 REMARKS: CSS.S8

WATER WELL RECORD

6810239

MUNICIP. 68.007

CON. CQN

04

1. PRINT ONLY IN SPACES PROVIDED
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11

COUNTY OR DISTRICT WENTWORTH	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE GLANBROOK	CON. BLOCK, TRACT, SURVEY, ETC. 4	LOT 009
DATE COMPLETED DAY 25 MO June YR 80		ADDRESS 370 AIRPORT RD MOUNT-HOPE	
RING 778040	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
	TOP SOIL			0	6
	BROWN CLAY			6	20
	BLUE CLAY			20	88
	GREY LIME ROCK			88	90

31	0006 02	0020605	0088 905	0090215
32				

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0089	<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
23-28	<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 6.4	<input checked="" type="checkbox"/> STEEL <input checked="" type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	1.88	0-6089
17-19 06	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		20-23
24-25	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		27-30

SCREEN

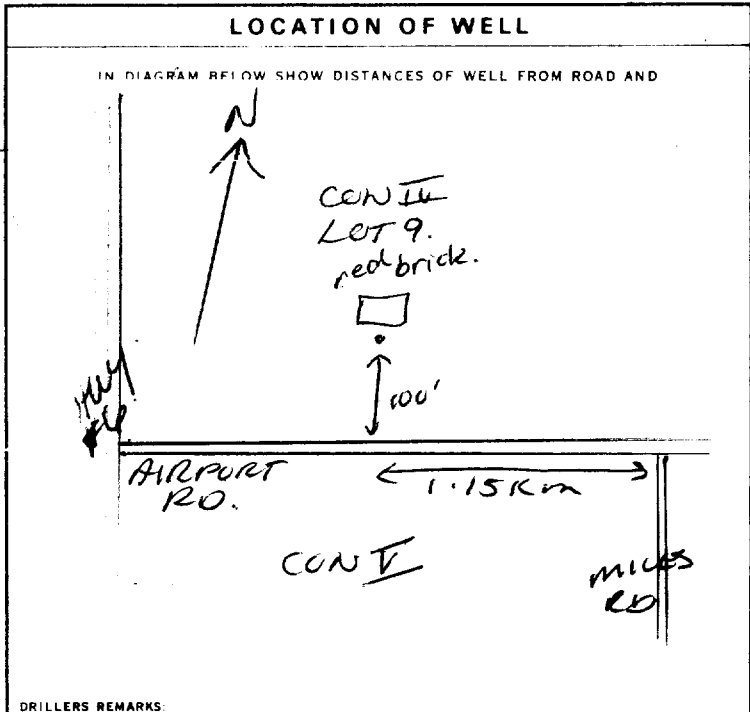
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM TO	
10-13	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 15-16 HOURS 00 17-18 MINS								
STATIC LEVEL 050 FEET	WATER LEVEL END OF PUMPING 075 FEET	WATER LEVELS DURING								
<table border="1"> <tr> <th>15 MINUTES</th> <th>30 MINUTES</th> <th>45 MINUTES</th> <th>60 MINUTES</th> </tr> <tr> <td>050</td> <td>050</td> <td></td> <td></td> </tr> </table>			15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES	050	050		
15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES							
050	050									
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING 080 FEET	RECOMMENDED PUMPING 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	
NAME OF DRILLER OR BORER	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>Frank Jones</i>	SUBMISSION DATE DAY _____ MO _____ YR _____

DATA SOURCE 1	CONTRACTOR 2803	DATE RECEIVED 070481
DATE OF INSPECTION	INSPECTOR <i>May 8/82</i>	
REMARKS		

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

11 6810369 MUNICIPAL 68.007 CON. CQN LOT 05
 COUNTY OR DISTRICT WENTWORTH TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE CLANBROOK
 CON. BLOCK TRACT. SURVEY ETC 5
 DATE COMPLETED 008
 DAY 18 MO AUG YR 81
 MOUNT HOPE
 777980 4 0750 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	14
15-18	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	19
20-23	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	24
25-28	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	29
30-33	1 <input type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERAL	34-80

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL	1 1/8	0	13-16
17-18	1 <input type="checkbox"/> STEEL			20-23
24-25	1 <input type="checkbox"/> STEEL			27-30

SCREEN

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

1 PUMP 2 BAILEY

10 PUMPING RATE 0001 GPM 02

11-14 DURATION OF PUMPING 15-16 HOURS 00 17-18 MINS

19-21 STATIC LEVEL 072 FEET

22-24 WATER LEVEL END OF PUMPING 132 FEET

25 WATER LEVELS DURING

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
128 FEET	124 FEET	120 FEET	116 FEET

26-28 PUMP INTAKE SET AT 128 FEET

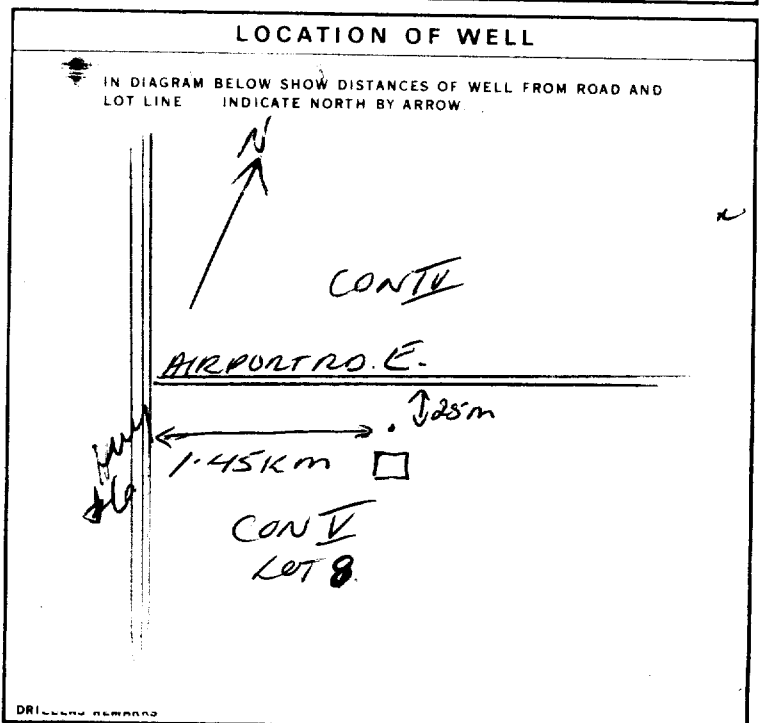
29-31 WATER AT END OF TEST 0001 GPM

32-34 RECOMMENDED PUMP TYPE 1 SHALLOW 2 DEEP

35-37 RECOMMENDED PUMP SETTING 128 FEET

38-41 RECOMMENDED PUMPING 0001 GPM

42-45 RECOMMENDED PUMPING 0001 GPM



54 FINAL STATUS OF WELL 1

55-56 WATER USE 01

57 METHOD OF DRILLING 1

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 DAY 12 MO APRIL YR 82

OFFICE USE ONLY

DATA SOURCE 1 CONTRACTOR 2803 DATE 15 04 82

DATE OF INSPECTION INSPECTOR May 25/82

REMARKS

CSS.S8



The Ontario Water Resources Act WATER WELL RECORD

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

11

6811472

MUNICIPALITY 68007

CON. 15 22 23 24

COUNTY OR DISTRICT: Wentworth TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Glan Brook CON. BLOCK, TRACT, SURVEY ETC: 4 LOT: 7

ADDRESS: 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>Grey shale Rock</u>			<u>118</u>	<u>120</u>

31 _____ 32 _____

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER					
<u>120</u>	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> GAS	6 <input type="checkbox"/>	7 <input type="checkbox"/>
	2 <input type="checkbox"/> SALTY	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
<u>6 1/4</u>	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	<u>188</u>	<u>0</u>	<u>120</u>

SCREEN

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

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER	<u>20</u> GPM	<u>2</u> HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	RECOVERY
<u>55</u> FEET	<u>105</u> FEET	15 MINUTES: <u>55</u> FEET 30 MINUTES: <u>—</u> FEET 45 MINUTES: <u>—</u> FEET 60 MINUTES: <u>—</u> FEET	1 <input type="checkbox"/> PUMPING 2 <input type="checkbox"/> RECOVERY

LOCATION OF WELL

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

670 ft

20077

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 9 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 4 BORING
2 ROTARY (CONVENTIONAL) 5 DIAMOND
3 ROTARY (REVERSE) 6 JETTING
4 ROTARY (AIR) 7 DRIVING
8 AIR PERCUSSION 8 DIGGING 9 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 14 15 22 23 24

COUNTY OR DISTRICT: Waterford TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Glenn Brook CON. BLOCK, TRACT, SURVEY ETC: 5 LOT: 8

DATE COMPLETED: DAY 21 MO 9 YR 88

RC. ELEVATION RC. BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	Topsoil			0	2
	Brown Clay			2	25
	Blue Clay			15	100
	Grey Shale Rock			100	104

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	10 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC	188	0	102
17-18	1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC			20-23
24-25	1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE 5 PLASTIC			27-30

SCREEN

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

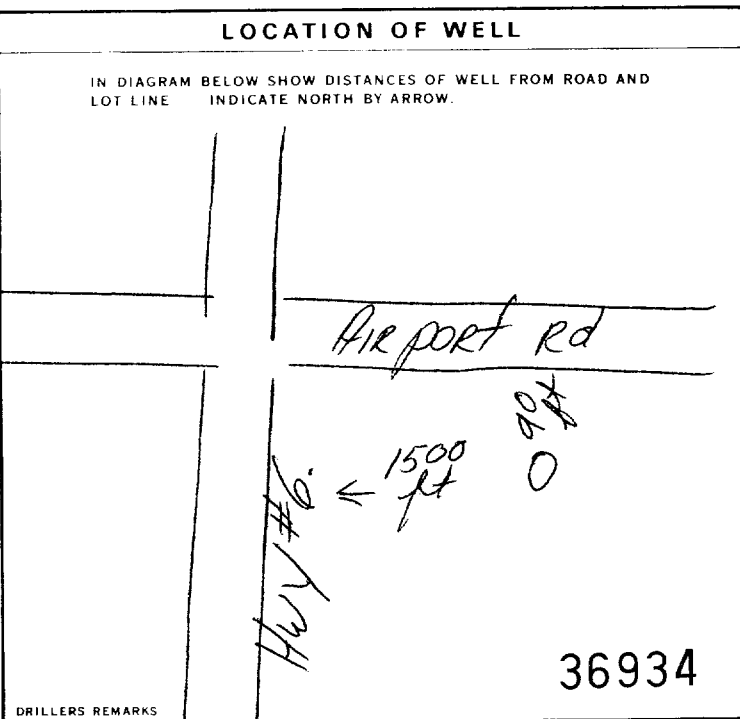
MATERIAL AND TYPE: _____ DEPTH TO TOP OF SCREEN: _____

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS
1 <input type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER		15-16 HOURS 17-18 MINS
STATIC LEVEL: <u>70</u> FEET	WATER LEVEL END OF PUMPING: <u>84</u> FEET	WATER LEVELS DURING:
		15 MINUTES: <u>60</u> FEET 30 MINUTES: <u>59-31</u> FEET 45 MINUTES: <u>58-34</u> FEET 60 MINUTES: <u>57-37</u> FEET
IF FLOWING, GIVE RATE: _____ GPM	PUMP INTAKE SET AT: <u>100</u> 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: <u>100</u> FEET	RECOMMENDED PUMPING RATE: <u>5</u> 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 9 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 Unice WELL CONTRACTOR'S LICENCE NUMBER: 2803
ADDRESS: 175 Aldercrest Ave.
NAME OF WELL TECHNICIAN: Frank Unice WELL TECHNICIAN'S LICENCE 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

COUNTY OR DISTRICT: Windsor-Essex TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Colony Brook CON. BLOCK TRACT SURVEY ETC: 10 LOT: 4

DATE COMPLETED: DAY 8 MO 7 YR 89

ING: Dunkirk St RC: Hamilton ELEVATION: 10 BASIN CODE: 104

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	
			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>82</u>

SCREEN

SIZE(S) OF OPENING (SLOT NO.): 31-33 DIAMETER: 34-38 LENGTH: 39-40

MATERIAL AND TYPE: 188 DEPTH TO TOP OF SCREEN: 41-44

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>26-28</u>	<u>30-33</u>

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILEY

PUMPING RATE: 1 GPM

DURATION OF PUMPING: 2 HOURS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
<u>40</u>	<u>111</u>	15 MINUTES: <u>95</u>	30 MINUTES: <u>83</u>	45 MINUTES: <u>74</u>	60 MINUTES: <u>68</u>

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 10/16 Km

42300

DRILLERS REMARKS: 42300

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: Fresh Line WELL CONTRACTOR'S LICENCE NUMBER: 2803

ADDRESS: 175 Aldercrest Ave

NAME OF WELL TECHNICIAN: Fresh Line WELL TECHNICIAN'S LICENCE NUMBER: 10358

SIGNATURE OF TECHNICIAN/CONTRACTOR: Fresh Line 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. 105

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

DATE COMPLETED: DAY *1* MO *Dec* YR *94*

ADDRESS: *1065 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
Brown	clay			0	10
Grey	clay			10	94
Grey	limestone			94	110

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	6 <input type="checkbox"/> GAS
98	2 <input checked="" type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> OPEN HOLE
15-18	1 <input checked="" type="checkbox"/> FRESH	3 <input type="checkbox"/> SULPHUR	6 <input type="checkbox"/> GAS
105	2 <input checked="" type="checkbox"/> SALTY	4 <input type="checkbox"/> MINERALS	5 <input type="checkbox"/> OPEN HOLE

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	1 <input checked="" type="checkbox"/> STEEL		0	94
6 1/4	2 <input type="checkbox"/> GALVANIZED	188		
	3 <input type="checkbox"/> CONCRETE			
	4 <input type="checkbox"/> OPEN HOLE			
	5 <input type="checkbox"/> PLASTIC			
17-18	1 <input type="checkbox"/> STEEL		94	110
6 1/4	2 <input type="checkbox"/> GALVANIZED			
	3 <input type="checkbox"/> CONCRETE			
	4 <input checked="" type="checkbox"/> OPEN HOLE			
	5 <input type="checkbox"/> PLASTIC			

60 SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
	31-33	39-40

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: *2 1/2* GPM

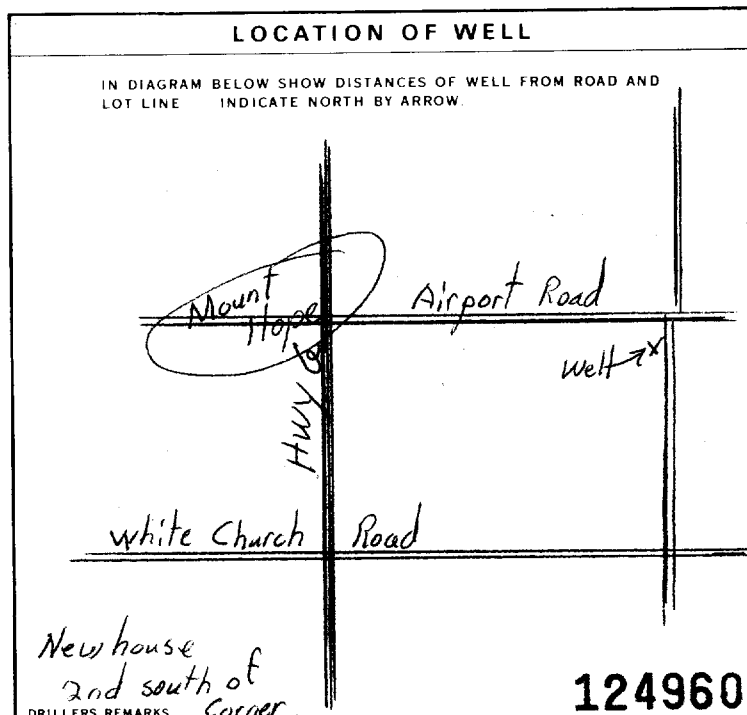
DURATION OF PUMPING: 15-16 HOURS 0 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
65	110	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		90	84	86	84

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: *105* FEET

RECOMMENDED PUMPING RATE: *2 1/2* 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 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 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: *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* MO *Dec* YR *94*

OFFICE USE ONLY

DATA SOURCE: 58 CONTRACTOR: *4207* DATE RECEIVED: *FEB 13 1995*

DATE OF INSPECTION: INSPECTOR:

REMARKS:

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

6812846

Municipality: 68007 Con: CON 05
10 14 15 22 23 24

County or District: [Redacted] Township/Borough/City/Town/Village: **Glanbrook** Con block tract survey, etc.: **Conc. 5 Glanford** Lot: **9**
Address: [Redacted] Date completed: **2** day **5** month **97** year

21 22 23 24 25 26 27 28 29 30 31 32
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
Brown	Clay			0	21
Grey	Clay	Sand		21	105
Grey	Limestone			105	110

31 32

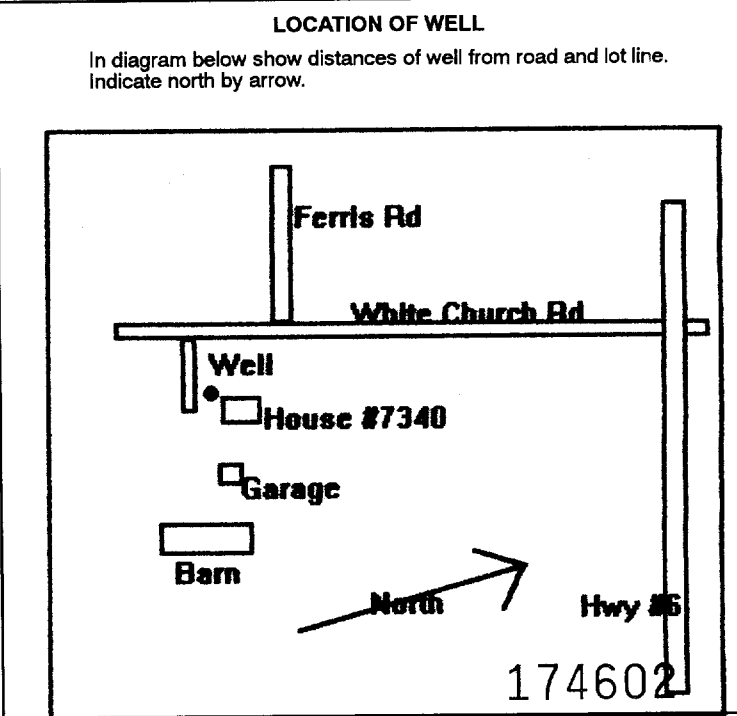
WATER RECORD			
Water found at - feet	Kind of water		
107	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas	14
15-18	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas	19
20-23	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas	24
25-28	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas	29
30-31	1 <input type="checkbox"/> Fresh 2 <input type="checkbox"/> Salty	3 <input type="checkbox"/> Sulphur 4 <input type="checkbox"/> Minerals 5 <input type="checkbox"/> Gas	34

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
6.25	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	0.188	+1	105
6	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input checked="" type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic		105	110
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

SCREEN	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		
10-15	14-17		
18-21	22-25		
26-29	30-33		

PUMPING TEST	71 Pumping test method		Pumping rate	Duration of pumping	
	1 <input type="checkbox"/> Pump	2 <input checked="" type="checkbox"/> Bailor	6 GPM	0 hours 30 mins	
	Static level	Water level end of pumping	Water levels during Pumping	Recovery	
	19-21	22-24	15 minutes 26-28	30 minutes 29-31	45 minutes 32-34
\$2	105 feet	105 feet	105 feet	feet	feet
If flowing give rate	Pump intake set at	Water at end of test			
GPM	feet	<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy			
Recommended pump type	Recommended pump setting	Recommended pump rate			
<input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep	105 feet	5 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 Abandoned (Other)
8 Dewatering

9 Unfinished
10 Replacement well

WATER USE

1 Domestic
2 Stock
3 Irrigation
4 Industrial

5 Commercial
6 Municipal
7 Public supply
8 Cooling & air conditioning

9 Not used
10 Other

METHOD OF CONSTRUCTION

1 Cable tool
2 Rotary (conventional)
3 Rotary (reverse)
4 Rotary (air)

5 Air percussion
6 Boring
7 Diamond
8 Jetting

9 Driving
10 Digging
11 Other

Name of Well Contractor: **O'Connor Well Drilling Ltd** Well Contractor's Licence No.: **4005**
Address: **RR #1 Millgrove, Ont., L0R-1V0**
Signature of Well Contractor: *John O'Connor* Well Technician's Licence No.: **T-0148**
Submission Date: _____ day _____ mo _____ yr

MINISTRY USE ONLY

Data source: _____ Contractor: **4005** Date received: **MAY 23 1997**
Date of inspection: _____ Inspector: _____
Remarks: _____
Signature: *CSS. S*

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

11

6812866

Municipality 68007 Con. CON 04

County or District: [Redacted] Township/Borough/City/Town/Village: Glanbrook Con block IV tract survey, etc. Lot ?
Address: 7220 Airport Rd Mounthope Ont. Date completed 17 Mar 97
Basin Code: 100

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	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	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 5 <input type="checkbox"/> Plastic	188	0	81
6	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input checked="" type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic		81	105

SCREEN

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

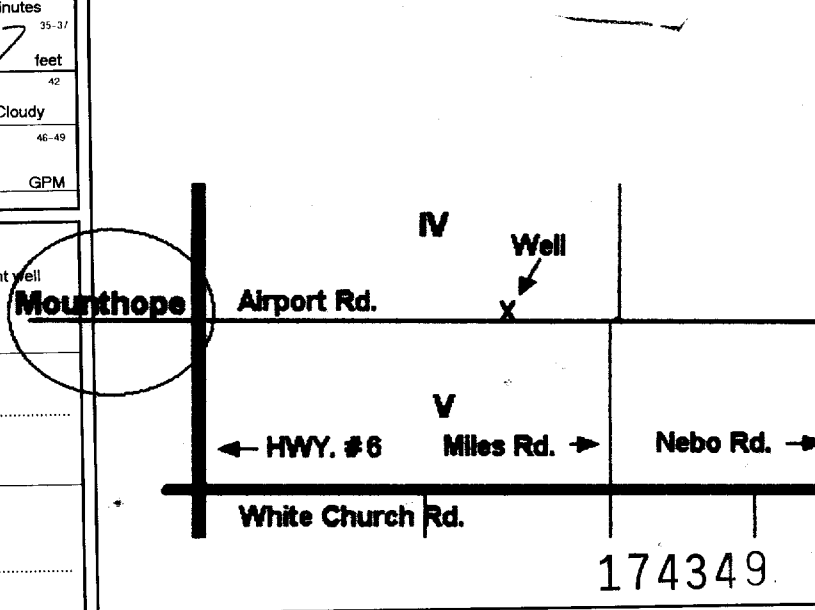
61 PLUGGING & SEALING RECORD

Depth set at - feet		Material and type (Cement grout, bentonite, etc.)
From	To	
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

Pumping test method <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer	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

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 9 Unfinished
2 Observation well 6 Abandoned, poor quality 10 Replacement well
3 Test hole 7 Abandoned (Other)
4 Recharge well 8 Dewatering

WATER USE

1 Domestic 5 Commercial 9 Not used
2 Stock 6 Municipal 10 Other
3 Irrigation 7 Public supply
4 Industrial 8 Cooling & air conditioning

METHOD OF CONSTRUCTION

1 Cable tool 5 Air percussion 9 Driving
2 Rotary (conventional) 6 Boring 10 Digging
3 Rotary (reverse) 7 Diamond
4 Rotary (air) 8 Jetting 11 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: _____

MINISTRY USE ONLY

Data source: 4207 Contractor: 4207 Date received: JUN 27 1997
Date of inspection: _____ Inspector: _____
Remarks: _____

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

11

6812962

Municipality 68007 Con. CON 04

County or District: [Redacted] Township/Borough/City/Town/Village: Mount Hope
 Address: 7290 Airport Rd E. Con block tract survey, etc.: 4 Lot: 9
 Date completed: 29 07 97

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

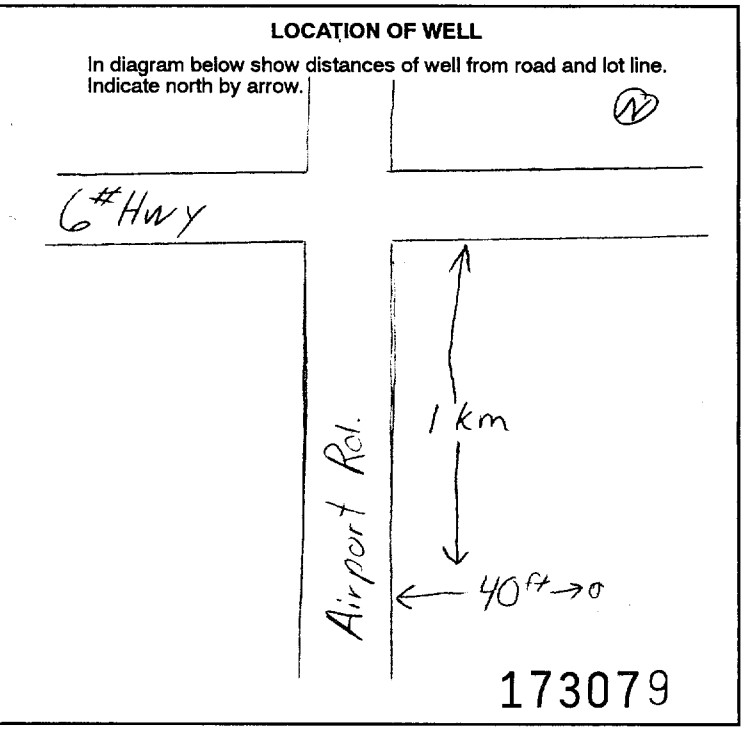
WATER RECORD	
Water found at - feet	Kind of water
87	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Gas

CASING & OPEN HOLE RECORD				
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	
From	To
10-15	14-17

71 Pumping test method: Pump Bailor
 Pumping rate: 2 GPM
 Duration of pumping: 7 Hours
 Static level: 45 feet
 Water level end of pumping: 89 feet
 Water levels during: 15 min: 75, 30 min: 60, 45 min: 50, 60 min: 45
 If flowing give rate: 89 GPM
 Recommended pump type: Shallow Deep
 Recommended pump setting: 89 feet
 Recommended pump rate: 2 GPM



FINAL STATUS OF WELL

WATER USE

METHOD OF CONSTRUCTION

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

MINISTRY USE ONLY

Data source: 7019
 Date received: MAR 20 1998
 Date of inspection: _____
 Inspector: _____
 Remarks: _____
 CSS:SS

UTM 12 7 E
5 R N
 Elev. 9 R 0749
 Basin 29 ONT IV
LOT 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 Hentworth Township, Village, Town or City Glanford
 Address Mount Hope
 Date completed Aug 29 1958
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

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

Well Log

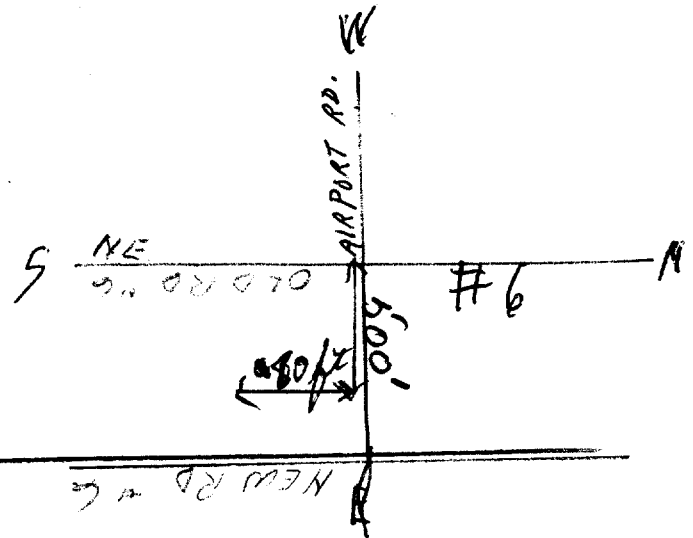
Water Record

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 Jones
 Address Hydrovacuum Co. Ontario
 Licence Number 996

Location of Well

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



I certify that the foregoing statements of fact are true.

Date Aug 29 Frank Jones
 Signature of Licensee

UTM 7 E
5 R N
 Elev. 9 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 Westminster 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

Inside diameter of casing 6 3/8
 Total length of casing 104
 Type of screen ---
 Length of screen ---
 Depth to top of screen ---
 Diameter of finished hole 6 1/4

Pumping Test

Static level 28
 Test-pumping rate 48 G.P.M.
 Pumping level 60
 Duration of test pumping 1 hr
 Water clear or cloudy at end of test clear
 Recommended pumping rate 33 1/2 G.P.M.
 with pumping level of 40

Well Log

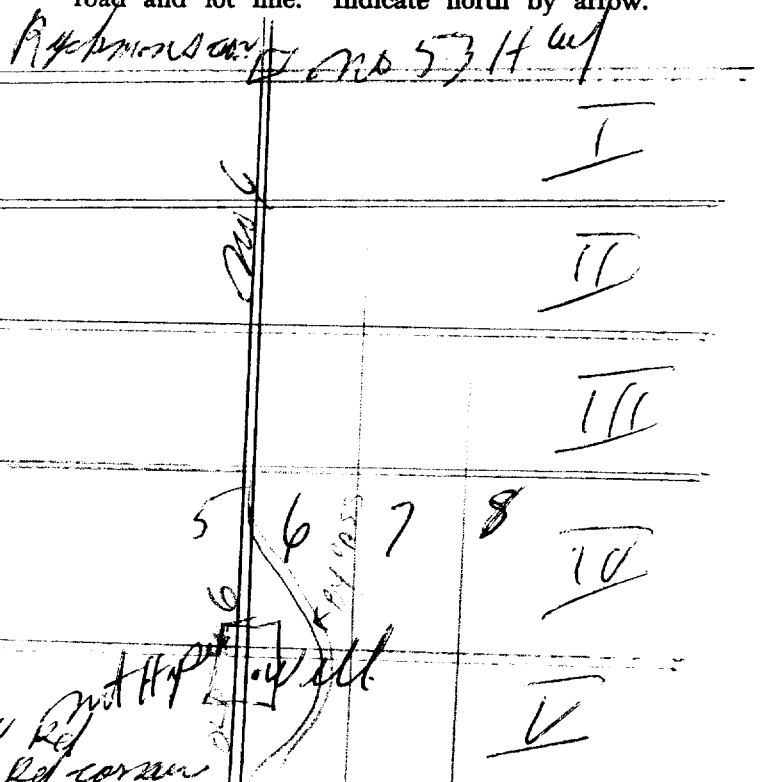
Water Record

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>Silty 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>

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)

Location of Well

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



CSS.S8

(Tweezer Gauge only)
 service station

UTM 17 E
5 R
 Elev. 4 R 0755
 Basin 24



WATER BRANCH
 68 No 4871
 FILED
 OCT 2 1960
 WATER

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District WENTWORTH Township, Village, Town or City GLANFORD
 Con. V Lot 6 Date completed 24 AUG 1960
 (day) (month) (year)
 Address

Casing and Screen Record

Pumping Test

Inside diameter of casing..... <u>6 1/4</u>	Static level..... <u>40</u>
Total length of casing..... <u>119</u>	Test-pumping rate..... <u>3</u> G.P.M.
Type of screen..... <u>-</u>	Pumping level..... <u>120'</u>
Length of screen..... <u>-</u>	Duration of test pumping..... <u>2 HRS.</u>
Depth to top of screen.....	Water clear or cloudy at end of test..... <u>CLEAR</u>
Diameter of finished hole..... <u>6 1/4</u>	Recommended pumping rate..... <u>2</u> G.P.M.
	with pumping level of..... <u>100'</u>

Well Log

Water Record

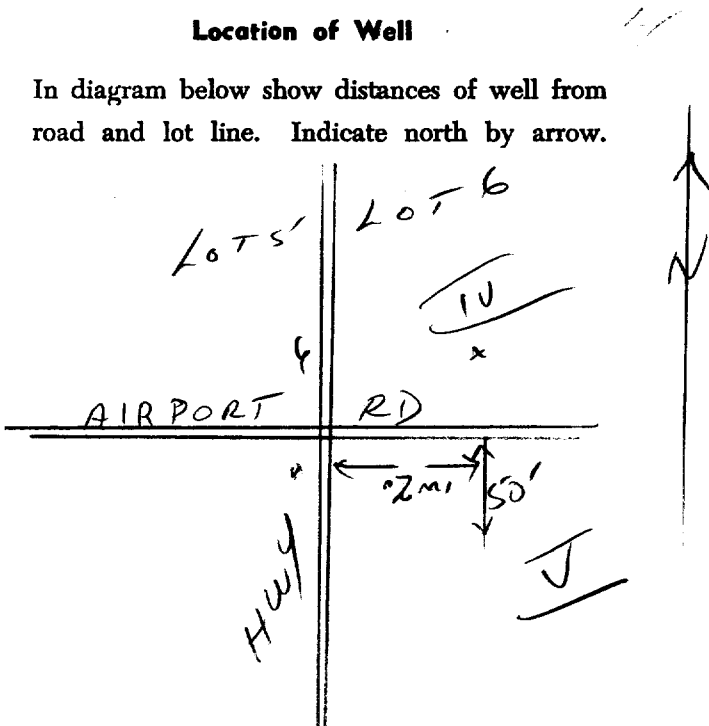
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
BROWN CLAY	0	5'			
BLUE "	5'	118			
GREY SHALE	118	120	120	50	FRESH

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

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

Drilling Firm F. INLE
 Address RYCKMAN'S CORNERS

Licence Number 625'
 Name of Driller JANNE
 Address
 Date SEPT 6/60
[Signature]
 (Signature of Licensed Drilling Contractor)



UTM 17 E

5 R 60 N

Elev. 4 R 5160

Basin 24

County or District WENTWORTH

Con. 5 Lot 6



68 No 13 4078

The Ontario Water Resources Commission Act

WATER WELL RECORD

Township, Village, Town or City GLANDFORD

Date completed JAN 31 1967
(day month year)

Address 246 CUTHNESS W CALADONIA

Casing and Screen Record

Inside diameter of casing 6 1/4"
Total length of casing 122'
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole 6"

Pumping Test

Static level 83'
Test-pumping rate 3 G.P.M.
Pumping level 130
Duration of test pumping 1 HOUR
Water clear or cloudy at end of test CLEAR
Recommended pumping rate 3 G.P.M.
with pump setting of 130 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	Well Log		Water Record	
	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>DOG WELL</u>	<u>0</u>	<u>21</u>		
<u>BLUE CLAY</u>	<u>21</u>	<u>121</u>	<u>130</u>	<u>FRESH</u>
<u>LIME ROCK</u>	<u>121</u>	<u>133</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

Address FRANK INCE

Licence Number 2112

Name of Driller or Borer FRANK INCE

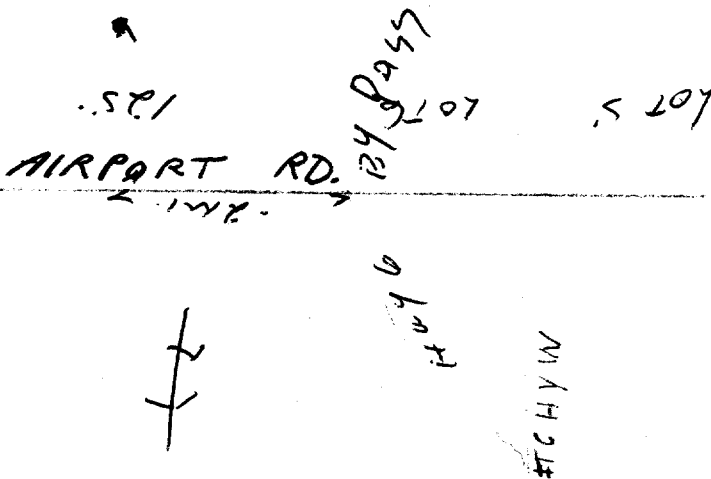
Address 175 ALDERGREST AVE

Date Feb 28/67

(Signature of Licensed Drilling or Boring Contractor)

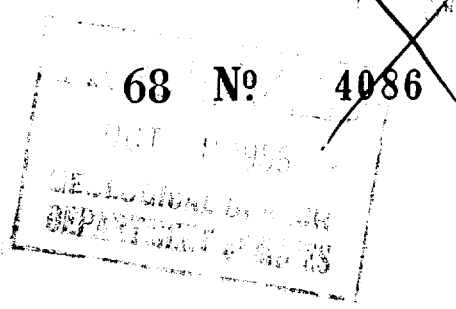
Location of Well

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



UTPM 7 E
 9 R N
 Elev 99 R 0755
 Basin 29
 Lot 8

12



The Water-well Drillers Act, 1954
 Department of Mines

Water-Well Record

County or Territorial District... Kentworth ... Township, Village, Town or City... Woodford
 Address... mt Hope ont
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 6 1/4
 Length(s) 93
 Type of screen
 Length of screen
 Static level 30
 Pumping rate 1000 gal per hr
 Pumping level 40
 Duration of test 1 hr

Well Log

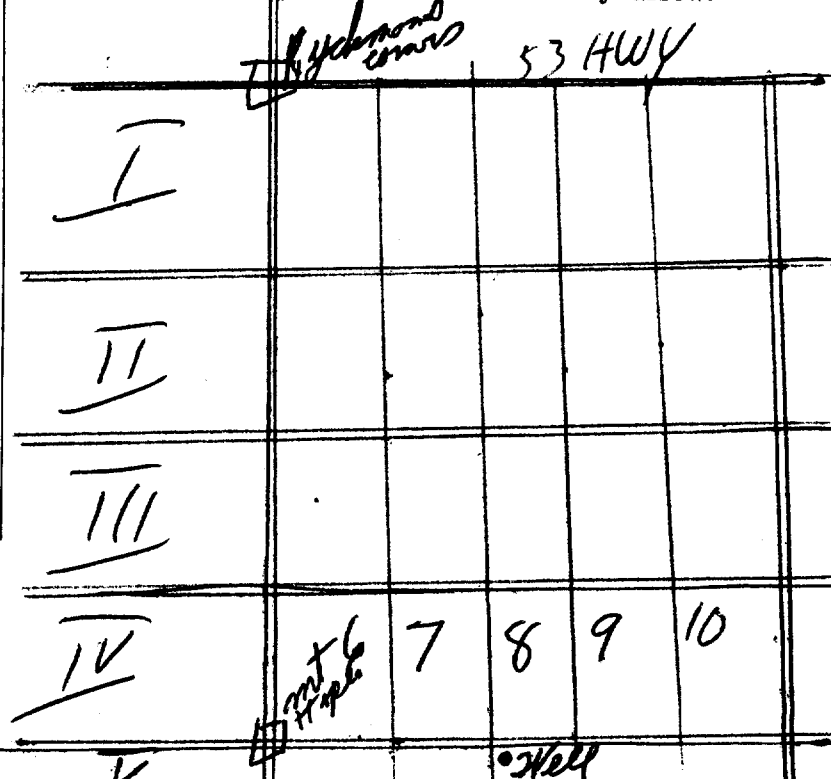
Water Record

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>30</u>	<u>98</u>	<u>48</u>	<u>fresh</u>
<u>Silty clay</u>	<u>30</u>	<u>93</u>			
<u>Siltstone</u>	<u>93</u>	<u>100</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 Wesley Pappan
 Address Smithville
 Name of Driller Wesley Pappan
 Address Smithville
 Licence Number 187

Location of Well

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



I certify that the foregoing statements of fact are true.

Date Oct 5/56
Wesley Pappan
 Signature of Licensee

75th S UN Rd
 150th E of W St Line

UTM Z E
 R N
 Elev. R 07.55
 Basin 29



GROUND WATER BRANCH
 JUN 68 0 N98 4087
 ONTARIO WATER RESOURCES COMMISSION

The Water-well Drillers Act, 1954
 Department of Mines

Water-Well Record

W.H.H.

Ship, Village, Town or City Howland
 in Village, Town or City
 Address 101 Hope Rd.

Date completed 24 May 58
 (day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter (s) 6 1/4
 Length (s) 89
 Type of screen
 Length of screen

Static level 37
 Pumping rate 120 gal per hr.
 Pumping level 50
 Duration of test 1 hr.

Well Log

Water Record

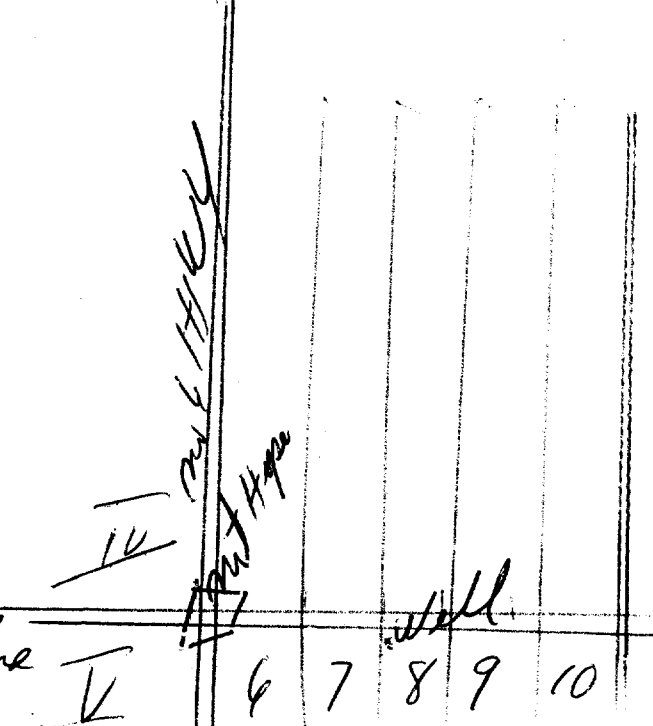
Overburden and Bedrock Record	From ft.	To ft.	Depth (s) at which water (s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
<u>clay</u>	<u>0</u>	<u>65</u>	<u>98</u>	<u>61</u>	<u>fresh</u>
<u>loamy clay</u>	<u>65</u>	<u>89</u>			
<u>limestone</u>	<u>89</u>	<u>100</u>			

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 Wesley Packham
 Address Smithville
 Name of Driller Wesley Packham
 Address Smithville
 Licence Number 187

Location of Well

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

I certify that the foregoing statements of fact are true.
 Date June 13 1958 Wesley Packham
 Signature of Licensee Wesley Packham
 CSS 58



30 ft E of lot line
 45 ft S of Rd.

NTM [] z [] E



WATER RESOURCES DIVISION
68 No 4091
JUN 3 1964
ONTARIO WATER RESOURCES COMMISSION

B

S R [] N

Elev. 4 R 0730

The Ontario Water Resources Commission Act

Basin 29 []

WATER WELL RECORD

County or District *Westwroth*

Township, Village, Town or City *Glenford*

Con. 5 Lot 10

Date completed 26 Feb 64
(day month year)

Address *R.R. 4 Glenford Station*

Casing and Screen Record

Pumping Test

Inside diameter of casing *6 1/4*
Total length of casing *93*
Type of screen *-*
Length of screen *-*
Depth to top of screen *-*
Diameter of finished hole *6 1/4*

Static level *app 60*
Test-pumping rate *2* G.P.M.
Pumping level *110*
Duration of test pumping *1/2 hr.*
Water clear or cloudy at end of test *clear*
Recommended pumping rate *6 for shot Powell* G.P.M.
with pump setting of *105* 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)

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<i>all limestone</i>	<i>0</i>	<i>93</i>	<i>108</i>	<i>fresh</i>
	<i>93</i>	<i>110</i>		

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

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

Drilling or Boring Firm *W. P. Parkin*

Address *Southville*

Licence Number *1353*

Name of Driller or Borer *W. P. Parkin*

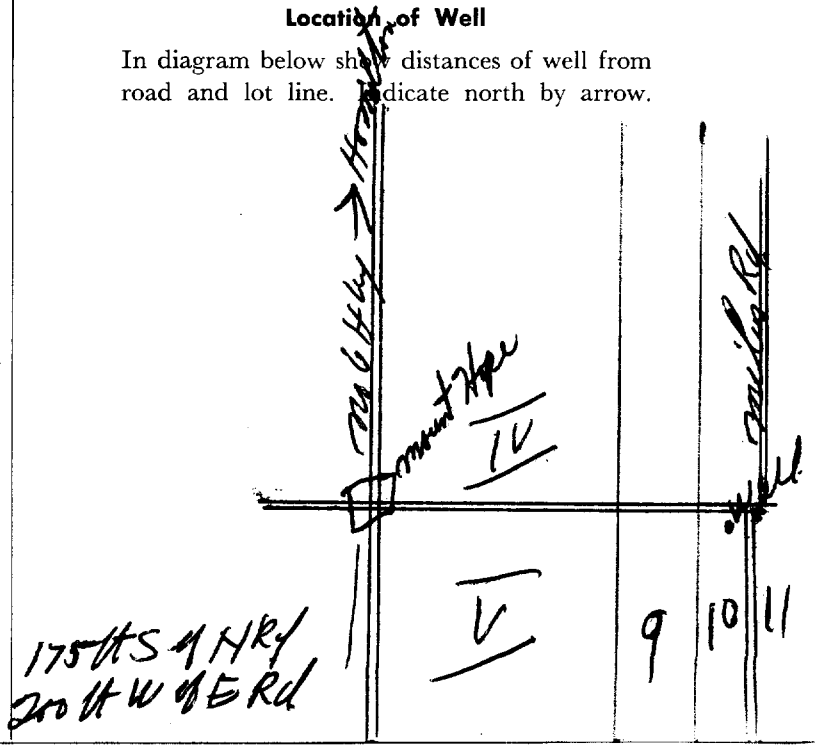
Address *Southville*

Date *Apr 29 1964*

W. P. Parkin
(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.



*175 ft S of Hwy
200 ft W of E Rd*

WTM

1 2 3 4 5 6 7 8 9 10 E Con 10
4 R 4 7 7 8 1 1 3 0 CODED
Lot 8



6806911

30 7/4 J.B.

Elv. 4 1 0 2 5 4
in 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 RR2 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

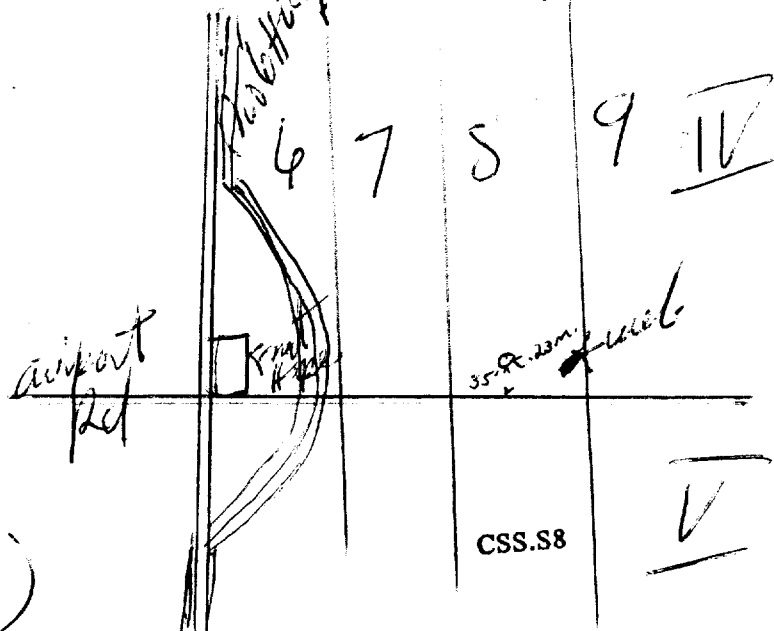
Water Record

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 RR2 Onchester
Licence Number 2798
Name of Driller or Borer W Packham
Address RR2 Onchester
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 60th N of S Rd
OWRC COPY near 9 lot line (near house)

CSS.S8



WATER WELL RECORD

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 25-27: **8800**

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

UTM ZONE: **17** EASTING: **589910** NORTHING: **4777970** 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
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			

SCREEN

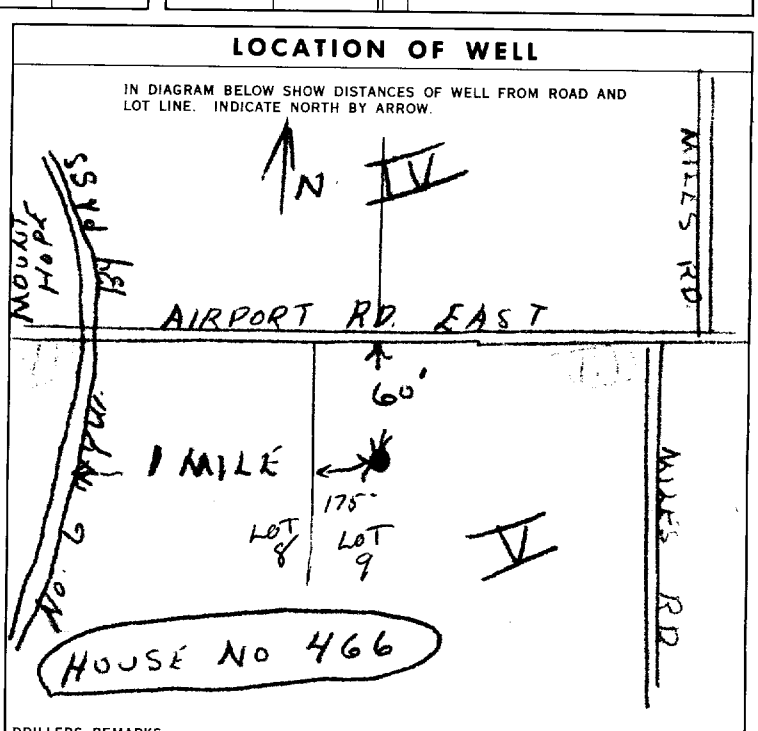
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE		DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

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

71 PUMPING TEST

PUMPING TEST METHOD	PUMP RATE	DURATION OF PUMPING
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILER	1/2 GPM.	15-16 HOURS 17-18 MINS.
STATIC LEVEL	WATER LEVELS DURING PUMPING	
19-21 40 FEET	25-28 140 FEET	30 MINUTES 125 FEET
		45 MINUTES 128 FEET
		60 MINUTES 130 FEET
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
		<input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	135 FEET	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: **FIP**

REMARKS: **CSS.S8**

J.B.

Appendix 1D

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

UTM [] Z [] E

[9] R [] N

Elev. 914 R 0763

Basin 24 [] [] [] []



68 No 4013

The Water-well Drillers Act, 1954
Department of Mines

Water-Well Record

RECEIVED
AUG 12 1955
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

County or Territorial District Weston Township, Village, Town or City []
Village, Town or City []
Address mt Hope Bonilla Km 2

Date completed (day) [] (month) [] (year) []

Pipe and Casing Record

Pumping Test

Casing diameter (s) <u>6 1/4</u>	Static level <u>25</u>
Length (s) <u>1.04</u>	Pumping rate <u>800 gal/hr</u>
Type of screen []	Pumping level <u>95 ft</u>
Length of screen []	Duration of test <u>1 hr</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>clay</u>	<u>0</u>	<u>40</u>			
<u>stony clay</u>	<u>40</u>	<u>104</u>	<u>108</u>	<u>83</u>	<u>fresh</u>
<u>lime rock</u>	<u>104</u>	<u>109</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 Wesley Packham

Address Smithville

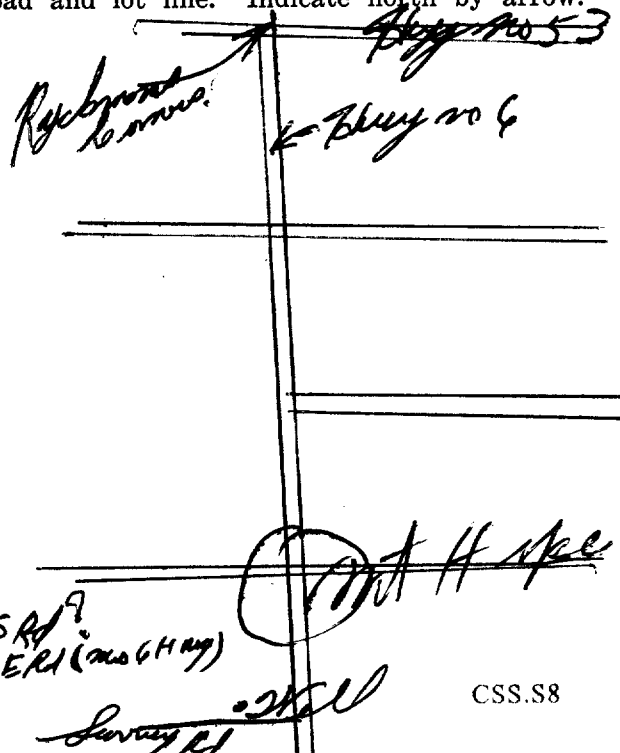
Name of Driller Wesley Packham

Address Smithville

Licence Number 187

Location of Well

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



I certify that the foregoing statements of fact are true.

Date Aug 10/55 Wesley Packham
Signature of Licensee

Survey not required owned by L. Smith mt Hope

80ft N 45 Rd 150ft W 6 ER (mt Hope)

Survey pt

UTM [] Z [] E

[5] R [] N

Elev. [9] R [07.52]

Basin [24] [] []

CON V
LOT 6



ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

~~68 No 4068~~
 GROUND WATER BRANCH
 MAY 27 1958
 ONTARIO WATER
 RESOURCES COMMISSION

Water-Well Record

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

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

Pipe and Casing Record

Pumping Test

Casing diameter (s) 6 1/4
 Length (s) 110
 Type of screen -
 Length of screen -

Static level 3.5'
 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>grey limestone bed</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.....

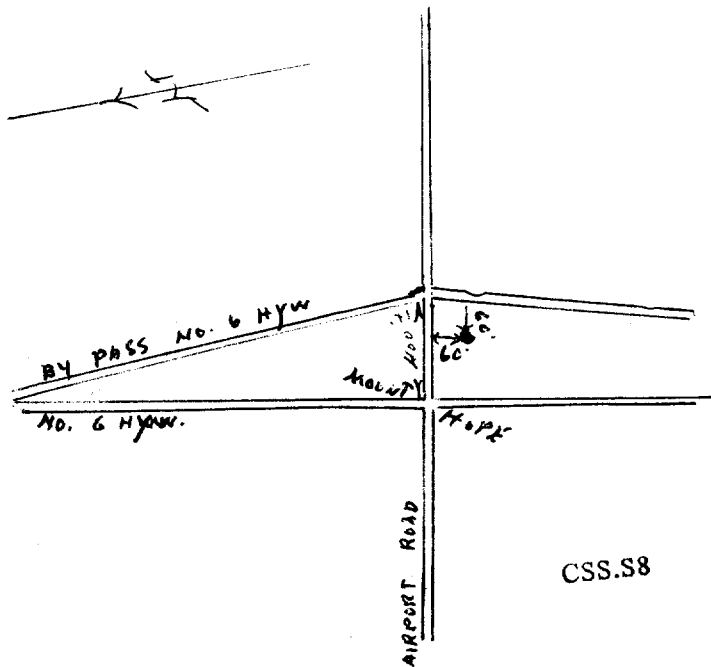
I certify that the foregoing
statements of fact are true.

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 0752 E
 Basin 29



GROUND WATER BRANCH
 NOV 14 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 7/8"
 Total length of casing 110'
 Type of screen X
 Length of screen X
 Depth to top of screen X
 Diameter of finished hole 6 7/8"

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

Water Record

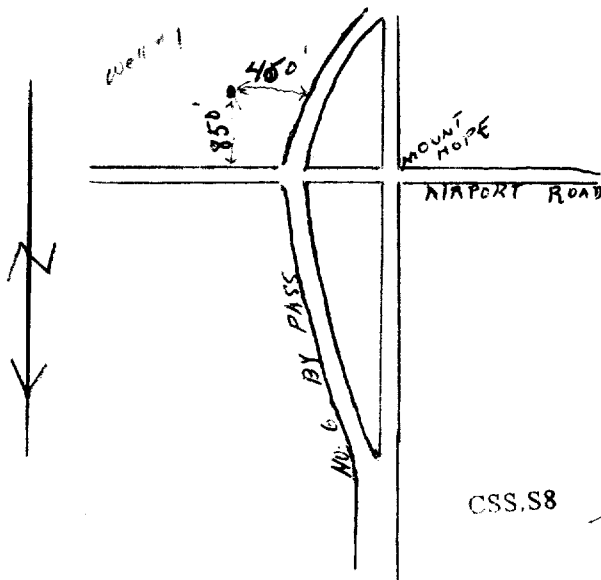
Overburden and Bedrock Record

	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
TOP SOIL	0	1		
BROWN CLAY	1	26	112	FRESH
BLUE CLAY	26	50		
QUICK SAND	50	80		
BLUE CLAY	80	110		
ROCK LIMESTONE	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.



UTM 5 7 40 E
5 R 0740 N
 Elev. 9 R 0740
 Basin 24



GROUND WATER BRANCH
 68 No. ~~4073~~
 MAY 28 1962
 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 7 MAY 1962
 (day month year)
 Address HAMILTON

Casing and Screen Record

Inside diameter of casing 6 7/8"
 Total length of casing 113'
 Type of screen X
 Length of screen X
 Depth to top of screen X
 Diameter of finished hole 6 1/4"

Pumping Test

Static level 40'
 Test-pumping rate 15 OR BETTER G.P.M.
 Pumping level 115'
 Duration of test pumping 4 HRS.
 Water clear or cloudy at end of test CLEAR
 Recommended pumping rate 15 G.P.M.
 with pump setting of 120' feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>TOP SOIL</u>	<u>0</u>	<u>1</u>		
<u>BROWN CLAY</u>	<u>1</u>	<u>30</u>		
<u>QUICK SAND</u>	<u>30</u>	<u>75</u>	<u>122</u>	
<u>BLUE CLAY</u>	<u>75</u>	<u>113</u>		<u>FRESH</u>
<u>LIME STONE</u>	<u>113</u>	<u>124</u>		

For what purpose(s) is the water to be used? IRIGATING GOLF COURSE
 Is well on upland, in valley, or on hillside? UPLAND
 Drilling or Boring Firm CROSS BROS.

Address 38 KENNEDY AVE.

Licence Number

Name of Driller or Borer ARTHUR CROSS

Address 38 KENNEDY AVE.

Date MAY 8/62

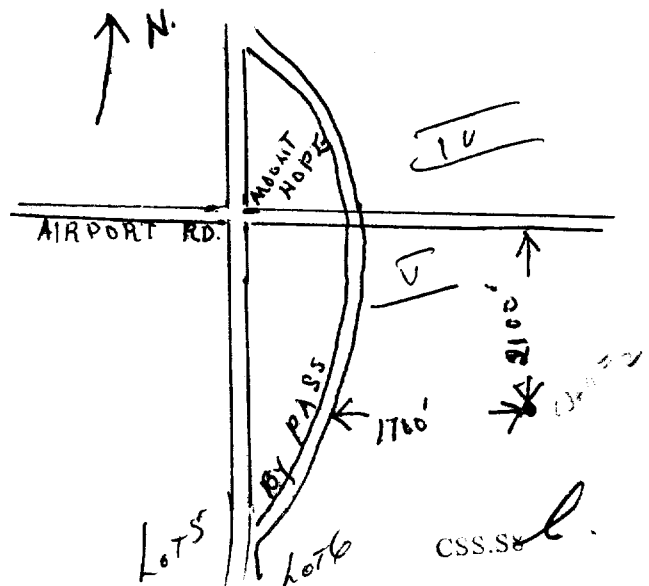
Howard Cross
 (Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



UTM 15 R 0730 E
 Elev. 9 R 0730
 Basin 29



GROUND WATER BRANCH
 MAY 28 1962 No. 1074
 ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District WENTWORTH Township, Village, Town or City CLANFORD
 Con. U Lot 6 Date completed 12 MAY 1962
 (day month year)

Casing and Screen Record

Inside diameter of casing 6 1/4
 Total length of casing 110'
 Type of screen -
 Length of screen -
 Depth to top of screen -
 Diameter of finished hole 6 1/4

Pumping Test

Static level 30'
 Test-pumping rate 2 G.P.M.
 Pumping level 120'
 Duration of test pumping 4 HRS.
 Water clear or cloudy at end of test Clear
 Recommended pumping rate 1 1/2 G.P.M.
 with pump setting of 100 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>45'</u>		
<u>DRY FINE SAND.</u>	<u>45'</u>	<u>109</u>		
<u>LIMESTONE</u>	<u>109</u>	<u>120</u>	<u>118</u>	<u>FRESH</u>

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

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

Drilling or Boring Firm E. CONSTABLE

Address HANNOH ONT.

Licence Number

Name of Driller or Borer SAME

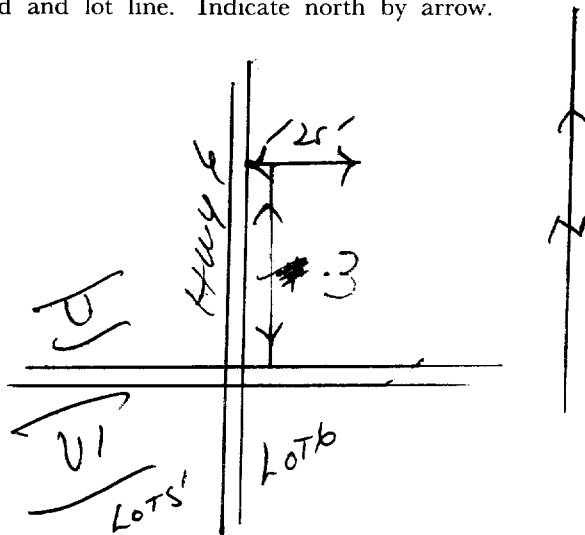
Address

Date May 16/62

Ernest Constable
 (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.



E 5 R 10750
 N
 Elev. 9 R 10750
 Basin 24



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

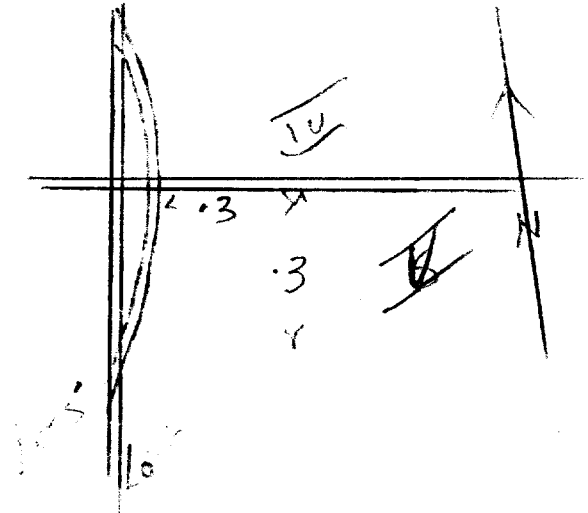
Water Record

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

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.



UTM E
9 R N
 Elev. 9 4 R 0 7 2 0
 Basin 2 9



68 N^o 4152

RECEIVED

MAY 18 1951

GEOLOGICAL BRANCH
DEPARTMENT OF MINES

The Well Drillers Act
 Department of Mines, Province of Ontario

Water Well Record

Wentworth Township, Village, Town or City... Glanford
 ... Glanford
 ... R.R. 3 Glanford

Date Completed... Nov 1 1948 Cost of Well (excluding pump).....

Pipe and Casing Record

Pumping Test

Casing diameter(s)..... 5 5/8
 Length(s) of casing(s)..... 108 ft.
 Type of screen.....
 Length of screen.....
 Distance from top of screen to ground level.....
 Is well a gravel-wall type?.....

Date..... 1948
 Static level..... 35 ft.
 Pumping level..... 70 ft.
 Pumping rate..... 10 gal a min.
 Duration of test..... 1 1/2 day
 Distance from cylinder or bowls to ground level.....

Water Record

Kind (fresh or mineral)..... fresh
 Quality (hard, soft, contains iron, sulphur, etc.)..... hard
 Appearance (clear, cloudy, coloured)..... clear
 For what purpose(s) is the water to be used?..... house
 How far is well from possible source of contamination?..... nil
 What is the source of contamination?..... nil
 Enclose a copy of any mineral analysis that has been made of water.....

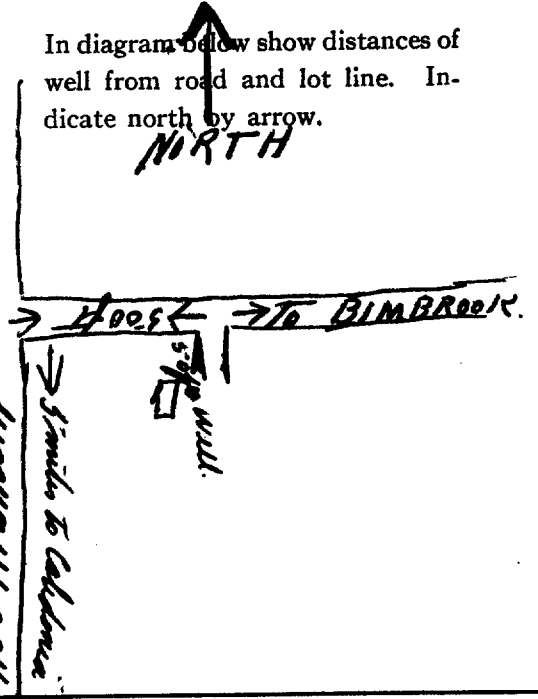
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
<u>113</u>	<u>fresh</u>	<u>73 ft</u>

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	18 ft.
<u>yellow clay</u>	18	70
<u>blue clay</u>	70	85
<u>hard blue & stones</u>	85	108
<u>sand + blue clay</u>	108	118
<u>rock</u>		

Location of Well

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



Situation: Is well on upland, in valley, or on hillside?..... hill top
 Drilling Firm..... R.D. Featherstone - only -
 Address..... Caledonia
 Name of Driller..... same Address..... same
 Date..... Licence Number.....

From memory - Record may not be reliable

JTM 1172 581791810E Con V Lot 6

30 7/40



6805912-

4R 4171715610 CODED
Elev. 1017310
P n 214

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Wentworth Township, Village, Town or City Glanford
Con. No. 6 Hwy. Lot 6 Date completed 26 April 1968
(day month year)
Address Hamilton
RR #3 Rt. Hope

Casing and Screen Record

Pumping Test

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"

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

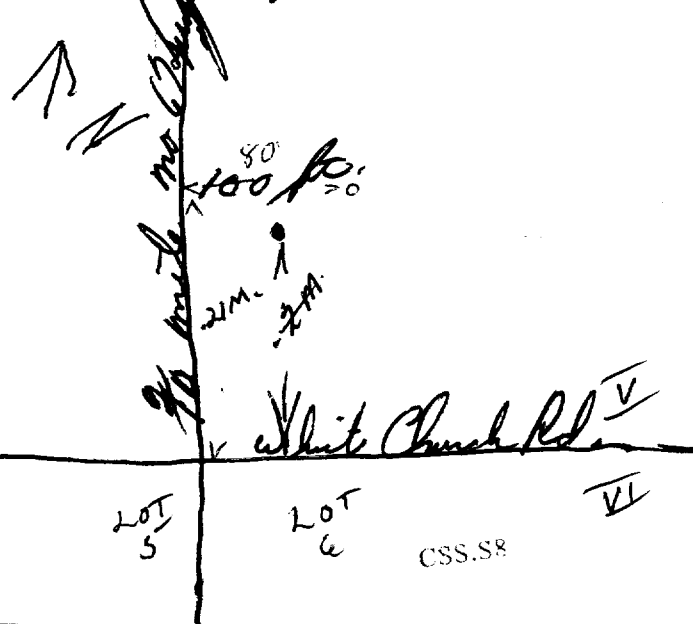
Water Record

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>15</u>	<u>115'</u>	<u>SULPHURY</u>
<u>BLUE CLAY</u>	<u>15</u>	<u>108</u>		
<u>WHITE NIAGARA</u>	<u>108</u>	<u>120</u>		

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



307/40 J.B

UTM 1172 15181811610 E
417171810810
Elev. 41017415
D in 24



6806915-
3 9

CODED
Con-11
216
The Ontario Water Resources Commission Act

JUN 1 1968
ONTARIO WATER
RESOURCES COMMISSION

WATER WELL RECORD

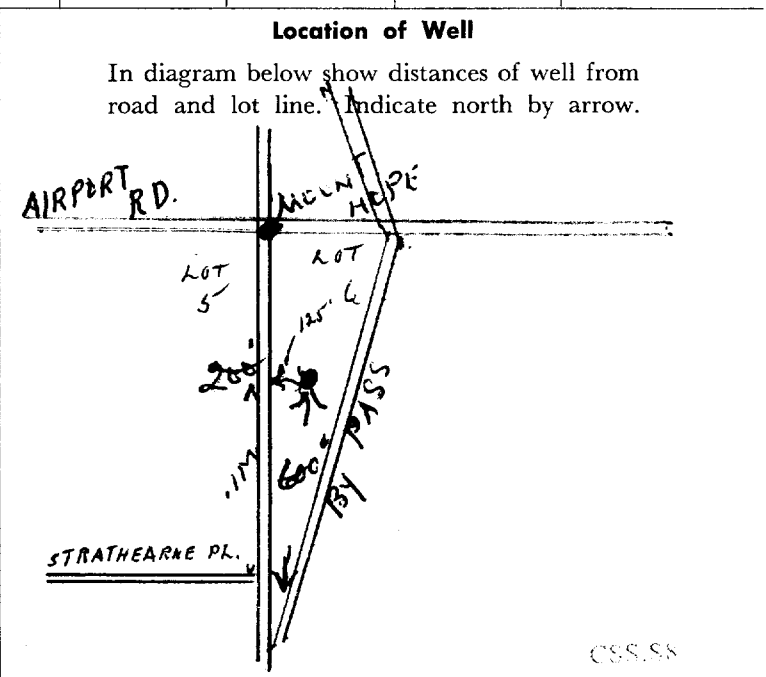
County or District WENTWORTH Township, Village, Town or City GLANFORD
Con. V Lot 6 Date completed 24 JUNE 1968
(day month year)
Address MOUNT HOPE P.O.

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

Overburden and Bedrock Record	Water 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

11 6812313 68007 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: DAY 30 MO 11 YR 92

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

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)					
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	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 2 <input type="checkbox"/> SALTY	3 <input checked="" type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS	10-13
-	1 <input type="checkbox"/> FRESH 2 <input checked="" type="checkbox"/> SALTY	3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS	15-18
	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	20-23
	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	25-28
	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	30-33

51 CASING & OPEN HOLE RECORD

INSIDE DIAM 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 5 <input type="checkbox"/> PLASTIC	188	0	89
	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			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			24-25

SCREEN

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

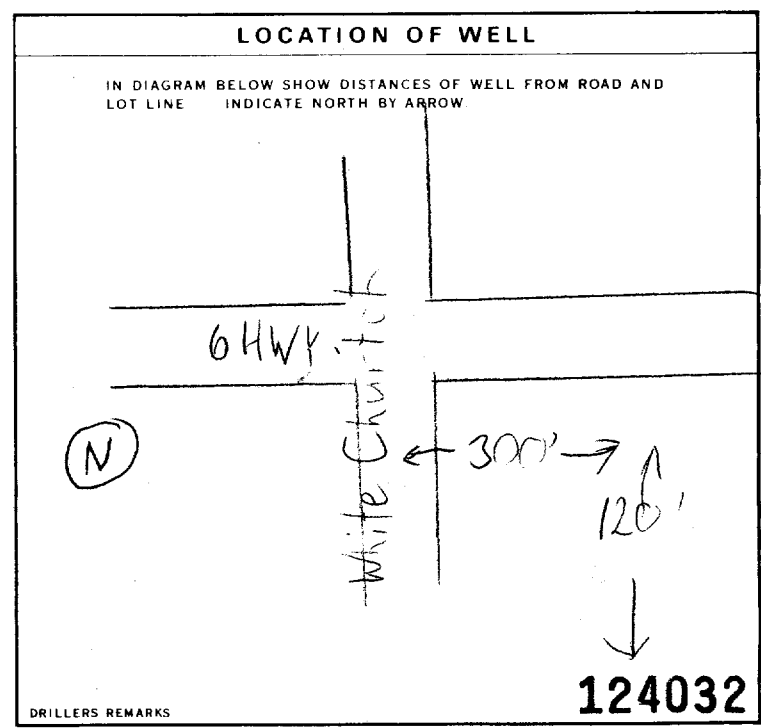
71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 BAILER
PUMPING RATE: 5 GPM DURATION OF PUMPING: 2 HOURS 17 MIN

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
35	86	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
		70	55	45	35

IF FLOWING GIVE RATE: 91 GPM PUMP INTAKE SET AT: 91 FEET WATER AT END OF TEST: 1 CLEAR 2 CLOUDY

RECOMMENDED PUMP TYPE: SHALLOW DEEP RECOMMENDED PUMP SETTING: 91 FEET RECOMMENDED PUMPING RATE: 5 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 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 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: 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: DAY _____ MO _____ YR _____

OFFICE USE ONLY

DATA SOURCE: 2803 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.