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# **Potable Water Supply Assessment**

Proposed Commercial Development 6045 Bank Street Ottawa (Greely), Ontario



Prepared For Greely Family Farm Inc. and Maverick Development Corporation

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# 1.0 INTRODUCTION

Paterson Group (Paterson) was retained by Greely Family Farm Inc. and Maverick Development Corporation to conduct a potable water supply assessment for a proposed commercial development located at 6045 Bank Street, Ottawa (Greely), Ontario. The site location is indicated on Figure 1, below.





#### Ref: http://maps.ottawa.ca/geoottawa/

This study was conducted in general accordance with Ontario Ministry of the Environment and Climate Change (MOECC) guidance document Procedure D-5-5: Technical Guideline for Private Wells: Water Supply Assessment (MOEE, 1996). The scope of the assessment is limited to the determination of the potential yield and raw water quality of the bedrock water supply aquifer intercepted by a newly drilled onsite well (TW2), as it relates to the future servicing potential for the proposed commercial development at the subject site.

The investigation involved the following major components:

- Review of available information regarding the subject site, the proposed development, and surrounding lands.
- Hydrogeological analysis including a pumping test, groundwater sampling, geological information review, aquifer analysis and water quantity assessment.

# 2.0 SITE DESCRIPTION

The subject property at 6045 Bank Street is approximately 8.1 hectares (Ha) in size. The site is generally flat, mostly cleared and is bisected by a gravel laneway. Some shallow ditches enhance the onsite drainage.

Figure 2 - Site Layout



Ref: Google Earth Pro 2016

The site has an existing water supply well (TW1) with a total depth of 30.48 m and steel casing that extends to 9.14 m below ground surface (bgs). This test well was installed as part of a previous hydrogeological study by Paterson (Paterson File PH0145). Please Note: the City of Ottawa has indicated that this well is not suitable for the purpose of assessing the bedrock aquifer at this site, so a new drilled well was installed (see below). A new water supply well (TW2) was installed at the site on October 11, 2016 (details provided below in Section 3.2).

The onsite topographic elevation varies from approximately 88 to 92 m asl.

The following legal description of the subject lot was obtained from the City of Ottawa's interactive GIS mapping system, GeoOttawa (<u>http://maps.ottawa.ca/geoottawa/</u>):

- PIN 043200416
- Part Lot 73 & 74 Compiled Plan 903 4R-15291

#### 2.1 **Proposed Commercial Development**

Greely Family Farm Inc. and Maverick Development Corporation propose to sever the subject lands to create a new commercial lot (subject to site plan approval). The severed parcel (Parcel A) will be approximately 1.9 Ha in size (see Figure 3). It is being proposed to develop Parcel A as a retail shopping plaza. The retained parcel will be developed as commercial property at some point in the future. This report has been prepared to support the proposed development of Parcel A.



Figure 3 - Proposed Severance

Ref: Google Earth Pro 2016

The proposed commercial development of Parcel A includes three stand-alone retail buildings. A preliminary site development plan is included in Appendix 4.

The buildings will be single storey structures with slab on grade construction. No municipal services are currently available at this site. The site will be serviced by a private water supply well and a private communal sewage treatment system.

Wastewater will be treated by a communal sewage works which has been approved by MOECC (ECA #6166-8SNL4C). The potable water supply will consist of an onsite water supply well (or wells).

### 2.2 Surrounding Land Uses

Surrounding land uses are described below:

#### North

- Parkway Road (right-of-way)
- Former road maintenance patrol yard
- Church
- Unused land

#### East

- City Park
- Unused land (flat and mostly cleared)
- Residential subdivision (single family houses)

#### West

- Veterinary clinic
- Bank Street (right-of-way)
- Mixed residential and commercial development (single family houses and small businesses)

#### South

- Dental clinic
- Bank Street (right-of-way)
- Residential development (single family houses)

#### 2.3 **Potential Sources of Contamination**

#### Onsite

No potential sources of onsite contamination were identified. Clean fill material, consisting of site excavated soil, has been spread around over a portion of the site.

#### Offsite

The following potential offsite sources of contamination were identified:

- Former road maintenance patrol yard (bulk storage and handling of road salt, automotive maintenance activities, bulk storage and handling of liquid fuels).
- Bank Street and Parkway Road (potential spills, road salt use).

The City has required that wells in the surrounding developments must have casing that extends through the shallow bedrock aquifer (Oxford and March Formations), and into the deep bedrock aquifer (Nepean Formation).

# 3.0 METHOD OF STUDY

#### 3.1 Water Well Record Search

A search of the MOECC water well records database was conducted for the site and surrounding properties. Key information from water well records in the vicinity of the site is summarized below in Table 1. MOECC water well records are included in Appendix 1, and the locations are indicated on Figure 4, below.

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#### Potable Water Supply Assessment Proposed Commercial Development 6045 Bank Street, Ottawa (Greely), Ontario

Figure 4 - Water Well Records



Ref: Google Earth Pro 2016, and https://www.ontario.ca/environment-and-energy/map-well-records

Ottawa

#### Table 1 - Well Records Summary

WATER WELL RECORDS SUMMARY								
Well Record ID	Year Drilled	Depth to Bedrock (m)	Casing Depth (m)	Depth Fr	Depth to Water Bearing Fractures (m)		Total Depth (m)	Recommended Pumping Rate (L/min)
1507307	1961	5.18	7.00	7.0			7.01	23
1507308	1962	6.40	6.71	7.9			7.92	14
1507311	1965	7.32	8.53	10.6			10.67	23
1507326	1965	not encountered	12.80	12.8			12.80	23
1509571	1968	6.40	6.4	7.3			7.92	23
1510768	1970	25.60	26.52	26.2			27.13	23
1510889	1970	7.31	7.31	9.1			9.75	68
1512259	1972	7.92	7.92	13.1			13.72	23
1514944	1975	9.14	9.14	13.1			13.72	36
1515514	1976	12.49	12.50	13.4			13.72	23
1515603	1976	6.40	6.40	7.6			8.53	45
1515934	1977	7.62	8.53	12.8			13.41	23
1517146	1979	7.92	8.53	38.7			40.23	36
1517580	1981	10.67	11.28	17.7			18.90	45
1518566	1983	8.53	8.53	10.1			10.67	45
1519247	1984	9.45	10.06	10.9			12.09	23
1536129	2005	7.01	8.53	45.0			48.76	not provided
1536131	2005	7.62	9.14	28.0			30.48	not provided
1536132	2005	7.92	9.14	53.0			54.86	not provided
7040824	2007	7.92	54.86	26.8	58.8		60.96	91
7045727	2007	8.53	58.82	59.7	63.7		73.15	45
7045728	2007	8.69	56.39	61.8			64.00	91
7048488	2007	w ell extension						
7143672	2010	8.99	60.35	63.1	64.3		67.06	91
7150482	2010	monitoring w ells	- cluster re	ecord				
7154132	2010	PVC monitoring	w ell					
7154133	2010	PVC monitoring	w ell					
7154647	2010	9.30	60.35	62.5	70.4		73.15	73
7156876	2010	7.31	60.35	71.3			73.15	91
7171882	2011	9.45	60.35	63.4			67.06	91
7171884	2011	7.31	60.35	62.8	64.3		67.06	91
7178611	2012	8.23	60.35	63.7	65.2		67.06	91
7181168	2012	9.45	60.35	63.7	76.5		79.25	91
7187688	2012	8.23	60.35	64.3			67.06	91
7190154	2012	8.53	60.35	61.9	64.6		67.06	91
7195953	2012	11.28	60.35	87.8	109.1		110.95	91
7237679	2015	6.10	60.35	79.2	83.8		85.95	91

#### 3.2 **Test Wells**

A new drilled well (designated TW2) was installed at the site on October 11, 2016 by Air Rock Drilling Co. Ltd. (Air Rock) of Richmond, Ontario (Well Contractor License No.1119). The new well was drilled to a total depth of 106.98 m. Steel casing was installed to a depth of 60.35 m. The drilling, installation, and construction procedures were observed by Paterson to be in compliance with the requirements of Ontario Regulation 903 (Wells). See Table 2 (below) for details.



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Air Rock Drilling rig at 6045 Bank Street

The test well was constructed in general conformance with the well construction requirements for the adjacent 'Water's Edge' residential subdivision and Greely Commercial Centre, which requires all wells to be cased "through the limestone formation and extend into the sandstone formation".

The existing drilled well (TW1) was used as an observation well. This well terminates in the Oxford Formation at approx. 30.5 m bgs, and the well casing only extends to 9.1 m bgs. This well configuration does not conform to the City's requirements for the adjacent developments.

Test Wells Summary									
Test Well ID	Year Drilled	Depth to Bedrock (m)	Casing Depth (m)	Depth to Bearing F (n	o Water Fractures n)	Total Depth (m)	Recommended Pumping Rate (L/min)		
TW2	2016	8.23	60.35	105.2		106.98	91		
TW1	2005	7.62	9.14	28.0		30.48	not available		
TW8	2007	8.69	56.39	61.87		64.00	91		
Dental Clinic	2012	11.28	60.35	87.8	109.1	110.95	91		
City Park	2015	6.10	60.35	79.2	83.8	85.95	91		

#### 3.3 24 Hour Pumping Test

Paterson conducted a pumping test at TW2 on October 18, 2016. The well was pumped at approx. 34 L/min for 24 hours, and was allowed to recover.

During the test the pumping rate was monitored at regular intervals to ensure the rate of discharge remained constant (i.e. < 5% variation). Drawdown observations during pumping and recovery were recorded using manual measurements taken with an electronic water level tape. Electronic dataloggers were also installed in the pumping well and at two observation wells (TW1 and the City Park well) to record changes in water level throughout the test.

Turbidity measurements were taken using a Hanna<sup>™</sup> HI93414 Fast Tracker portable meter at the well head at regular intervals during the pumping test. Free chlorine residual measurements were taken using a Hach<sup>™</sup> Pocket Colorimeter II<sup>™</sup> handheld unit immediately prior to the collection of each groundwater sample. Field measurements of pH, temperature, conductivity and TDS were carried out during the test using an Extech<sup>™</sup> ExStik II portable multi-meter. Field parameter results for the pumping test are provided in Table 3 below.

FIELD PARAMETERS							
Time after start of pumping (min)	Turbidity (NTU)	Temperature (deg C)	рН	Conductivity (uS)	TDS (mg/L)		
6	-	9.7	8.28	843	622		
20	2.29	12.9	8.06	871	598		
160	0.47	10.4	7.95	896	630		
240	0.30	10.3	7.88	892	624		
805	0.37	10.2	7.98	846	607		
1335	0.31	10.1	7.92	832	612		
1395	0.25	10.2	7.86	850	605		
1445	0.19	10.1	7.90	842	617		

#### Table 3 - Field Parameters



#### 3.4 Offsite Well Owner Interviews

The neighbouring well owner to the south (Dental Clinic) was interviewed about their well and septic system. A standard form was used to conduct the brief interview. The form includes standard questions about the well location, water quality, water quantity and potential environmental concerns. Well owner interview log sheet is included in Appendix 4.

#### 3.5 Groundwater Sampling

Groundwater samples were collected at TW2 during the pumping test. Samples were collected at 12 hours and 24 hours after the start of pumping. Prior to collection of the groundwater samples, the free chlorine residual was verified to be non-detectable.

All groundwater samples were submitted for comprehensive testing of bacteriological, chemical and physical water quality parameters consistent with the standard 'Subdivision Water Supply' suite of parameters.

The final sample from the test well (TW2) was also submitted for analysis of 'RVCA recommended metals', and phosphate.

All samples were collected unfiltered and unchlorinated and were placed directly into clean bottles supplied by the analytical laboratory. Samples were placed immediately into a cooler with ice and were transported directly to the Exova laboratory in Ottawa. All samples were received by the laboratory within 24 hours of collection.

Exova is fully accredited by the Canadian Association for Laboratory Accreditation (CALA) having received a Certificate of Laboratory Proficiency in 1991 (CALA Registration Number 2602). Exova has ISO 17025 accreditation (Standards Council of Canada) and is fully accredited for Ontario Safe Drinking Water Act (OSDWA) testing.

#### **Offsite Well Sampling**

One offsite water sample was collected at 7906 Village Centre Place (Dental Clinic - see Figure 2 for location) on October 19, 2016. The sample was submitted to EXOVA Ottawa for analysis of the standard 'subdivision water supply' suite of parameters (see Section 5.3 for a discussion of the results).

#### 3.6 Additional Six Hour Pumping Test

Paterson conducted a six (6) hour pumping test at TW2 on October 19, 2016. The well was pumped at approx. 100 L/min for 6 hours, and was allowed to recover.

During the test the pumping rate was monitored at regular intervals to ensure the rate of discharge remained constant (i.e. < 5% variation). Drawdown observations during pumping and recovery were recorded using manual measurements taken with an electronic water level tape. Electronic dataloggers were also installed in the pumping well and at two observation wells (TW1 and the City Park well) to record changes in water level throughout the test.

# 4.0 GEOLOGY

## 4.1 Overburden Geology

Surficial geology mapping information from the Ontario Geological Survey (OGS) was obtained from the OGS Earth website at: <u>http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth</u>, and is included on Figure 5 (Overburden Geology), below.

The mapping data from OGS shows that the site has till (diamicton) and coarse grained glaciomarine deposits at surface.

The thickness of the overburden unit, based on available water well record information from wells located in the vicinity of the subject site, varies from approximately 7 to 11 m.

A geotechnical investigation was conducted at the site by Paterson in October 2016 (Paterson, 2016). The findings of the geotechnical investigation are presented under separate cover (Paterson, 2016).

Generally the soil profile consists of topsoil, followed by an intermittent layer of silty clay, which is predominantly underlain by granular deposits of sand to sandy silt.

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Ref: Google Earth Pro 2016, and http://www.mndm.gov.on.ca/en/mines-and-minerals/applications/ogsearth

#### 4.2 Bedrock Geology

Geological mapping information from the OGS Earth website (OGS, 2016) shows that the site is located in an area where the **Oxford Formation** is the uppermost bedrock unit. The lithology is described as dolostone, minor shale and sandstone. The Oxford formation is a recognized water bearing aquifer unit in the Ottawa region which typically has good water

quality and quantity. Figure 6 (below), shows the OGS Earth mapping information in the vicinity of the site.

Figure 6 - Bedrock Geology





### 4.3 Hydrogeology

A limited investigation of the overburden aquifer was conducted by Paterson as part of the geotechnical investigation. Three boreholes were instrumented with PVC monitoring well components (schedule 40 PVC well screen and riser with end caps). A shallow unconfined

aquifer exists in the overburden layer. Groundwater was encountered at depths from 2.5 to 2.8 m below ground surface (see Table 4, below). The inferred direction of shallow groundwater flow at the site based on the borehole water level elevations is towards the northwest.

Table 4 - Overburden Groundwater Elevations

OVERBURDEN GROUNDWATER ELEVATIONS								
Stand-pipe well ID	Ground Surface Elevation (m)	Top of Riser Elevation (m)	Groundwater Depth (m)	Groundwater Elevation (m)				
			20/10/20116					
BH12	89.88	90.67	3.321	87.35				
BH15	89.47	91.14	4.199	86.94				
BH29	90.51	92.14	4.482	87.66				
DINEO		-						

The bedrock aquifer consists of water bearing fracture zones (i.e. horizontal bedding plane fracture zones) that occur between relatively unfractured layers of massive bedrock. The upper bedrock layer tends to form a confining layer. The interpreted direction of groundwater flow in bedrock at the site is probably towards the northeast. This interpretation is consistent with previous studies completed for the neighbouring development (Paterson 2007, Consolidation Terrain Analysis Hydrogeological report PH0145-07).

# 5.0 AQUIFER ANALYSIS

### 5.1 Aquifer Characteristics

The pumping test data was analyzed using Aquifer Test Pro<sup>™</sup> (V2016) software. Drawdown data was measured using an electronic water level tape. An electronic datalogger unit was also used to monitor drawdown in the test well.

Pressure data from the dataloggers was corrected for atmospheric pressure variations (i.e. barometric compensation) using Schlumberger Diver-Office<sup>™</sup> software and a barometric pressure data logger that was deployed during the investigation.

The drawdown data was analyzed using the Theis (Theis, 1935), and the Cooper & Jacob methods of analysis (Cooper & Jacob, 1946). Recovery data was also analyzed using Theis. Aquifer transmissivity is estimated to be approximately **6,960** m<sup>2</sup>/day. Aquifer storativity is estimated to be approximately  $1 \times 10^{-4}$ .

Table 5 - Summary of Aquifer Characteristics

SUMMARY OF AQUIFER CHARACTERISTICS					
Parameter	TW2				
Transmissivity (m²/d)	6960				
Storativity	1.0E-04				
Average Test Pumping Rate (L/min)	100				
Average Test Pumping Rate (m³/day)	144				
Available Draw dow n (m)	102.75				
Draw dow n at 100 mins (m)	4.511				
Maximum Test Draw dow n (m)	4.553				
Draw dow n at 20 years (extrapolated)	5.25				
% of available draw dow n	5.1%				
Specific Capacity (L/min/m)	22				
Q20 safe w ell yield (m³/day)Farvolden	341918				
Q20 safe w ell yield (m³/day) Maarthius & van der Kamp	1973				
Q20 safe w ell yield (L/min) Maarthius & van der Kamp	1370				
Farvolden, 1959					
Maathius & van der Kamp, 2006					

Pumping at TW2 did not have any effect on the nearby wells that were monitored (TW1, City Park, Dental Clinic and TW8). Dataloggers placed on TW1 and in the City Park well did not show any response to pumping. TW8 and the Dental Clinic well were also monitored manually during the pumping test and did not show any indication of the pumping at TW2.

There appears to be a significant degree of hydraulic isolation between the upper bedrock aquifer (Oxford and March Formations) and the Nepean Sandstone aquifer. Pumping at TW2 did not have any significant effect on TW1.

#### 5.2 Groundwater Quantity

The pumping test results show that test well TW2 has a very high yield. Drawdown at a pumping rate of 34 L/min for 24 hours was approx. 5 cm. 95% recovery was achieved almost immediately. The drawdown at a pumping rate of 100 L/min for 6 hours was 22 cm. 95% recovery was achieved approximately 4.25 hours after the end of pumping.

A determination of the long term safe yield (i.e. Q20 pumping rate) of test well TW2 was calculated using the method described by Fervolden (Fervolden, 1959) as described in Maathius & van der Kamp, 2006. The inputs and results of the calculation are presented in Table 3 (above). The results of the 20 year safe yield analysis show that the well could be pumped at up to **1370 L/min** continuously without causing an adverse impact to surrounding well users.

The total volume of water pumped during the 24 hour pumping event was 48,960 L. The total volume of water pumped during the 6 hour pumping event was 36,000 L.

The water demand for the proposed commercial development is limited to the maximum sewage flow for the site. As a condition of sale for Parcel A, the maximum sewage flow generated by the proposed development is 40,000 L/day.

For the proposed commercial development (as detailed in the preliminary Site Development Plan in Appendix 4), the peak daily water demand has been estimated based on OBC requirements for calculating the total daily design sanitary sewage flow (TDDSSF). In accordance with Table 8.2.1.3B of the OBC the TDDSSF for the proposed development is 36,763 L. Refer to Table 6 (below) for a summary of the estimated sewage flow. The estimated peak daily sewage flow for the proposed development is less than the maximum flow permissible under the sales agreement.

ESTIMATE OF DAILY SEWAGE FLOWS							
Building ID	Building Type	Floor Area (m²)	Flow Multiplier	Estimated Sewage Flow (L)			
Α	Grocery store						
	retail space	2495	40 L / 9.25 m <sup>2</sup>	10,789			
	bakery	110	190 L / 9.25 m <sup>2</sup>	1,308			
	delicatessan	110	190 L / 9.25 m <sup>2</sup>	1,308			
	meat department	130	380 L / 9.25 m <sup>2</sup>	5,341			
	water closets	2 W.C.s	950 L each	1,900			
В	Retail	975	5 L / m <sup>2</sup>	4,875			
C	Office	929	75 L / 93 m <sup>2</sup>	7,492			
D	Restaurant	173 m <sup>2</sup> 30 seats	125 L / seat	3,750			
			TDDSSF	36,763			

#### Table 6- Estimate of Dailey Sewage Flows

Water use will mostly occur within a 12 hour period each day. This equates to an average water demand of approximately 26 L/min, which is below the pumping rate that was used during the 24 hour test.

The total volume of water pumped during the 24 hour pumping event was 48,960 L, which is 22% more than daily maximum sewage flow limit. The total volume of water pumped during the 6 hour pumping event was 36,000 L.

The new well at 6045 Bank Street will provide a sufficient quantity of water for the proposed commercial use. In Paterson's professional opinion the probable well yield determined on the basis of this investigation is representative of the yield that can be expected in the long term.

#### 5.3 Groundwater Quality

Water quality analysis data from TW2 is summarized in Table 7 (below). Laboratory certificates of analysis are included in Appendix 2.

The analytical results show that water quality at the subject site is acceptable and that there are no exceedances of the applicable health related parameter limits of the Ontario Drinking Water Standards (ODWS).

With respect to aesthetic objectives and operational guidelines, the analytical results indicate the following exceedances:

- Hardness
- TDS

#### Hardness

Hardness, an operational guideline, does not appear in the ODWS. Rather it appears in the Technical Support Documents for Drinking Water Standards, Objectives, Guidelines (Technical Support Documents) as a parameter with an operational guideline of 100 mg/L. At the measured concentrations, the water is considered to be very hard, however it is below the reasonable treatment limit of 500 mg/L specified in Table 3 of the guidance document, titled, " Procedure D-5-5 Technical Guideline for Private Wells: Water Supply Assessment", published by MOECC (MOE, 1995).

#### Table 7 - Groundwater Geochemistry (TW2)

GROUNDWATER GEOCHEMISTRY - TW2									
		TW2-WS1	TW2-WS2						
PARAMETER	UNITS	18-Oct-16	19-Oct-16						
HEALTH RELATED LIMITS									
Microbiological									
Escherichia Coli	ct/100 mL	0	0	0 <sup>MAC</sup>					
Total Coliforms	ct/100 mL	0	0	0 <sup>MAC</sup>					
Chemical									
Fluoride	mg/L	0.32	0.28	1.5 <sup>MAC</sup>					
N-NH3 (Ammonia)	mg/L	0.12	0.13	-					
N-NO2 (Nitrite)	mg/L	<0.10	< 0.10	1 <sup>MAC</sup>					
N-NO3 (Nitrate)	mg/L	<0.10	<0.10	10 <sup>MAC</sup>					
Total Kjeldahl Nitrogen	mg/L	0.1	0.1	-					
Turbidity (Lab)	NTU	2.6	2.1	1.0 <sup>MAC</sup> /5.0 <sup>AO</sup>					
AESTHETIC and OPERA	TIONAL RELAT	ED LIMITS	-						
Hardness as CaCO3	mg/L	298	298	100 <sup>OG</sup>					
Alkalinity (as CaCO3)	mg/L	222	223	500 <sup>OG</sup>					
TDS (COND - CALC)	mg/L	604	606	500 <sup>AO</sup>					
Calcium	mg/L	70	70	-					
Chloride	mg/L	126	127	250 <sup>AO</sup>					
Colour	TCU	<2	<2	5 <sup>40</sup>					
Conductivity	uS/cm	929	932	-					
DOC	mg/L	1.3	1.2	5 <sup>40</sup>					
Hydrogen Sulphide	mg/L	< 0.02	< 0.02	0.05 <sup>AO</sup>					
рН	-	7.89	8.00	6.5-8.5 <sup>AO</sup>					
Phenols	mg/L	< 0.001	< 0.001	-					
Sulphate	mg/L	81	82	500 <sup>AO</sup>					
Tannin & Lignin	mg/L	<0.1	<0.1	-					
Magnesium	mg/L	30	30	-					
Potassium	mg/L	7	7	-					
Sodium	mg/L	76	76	200 <sup>AO</sup>					
Iron	mg/L	0.21	0.2	0.3 <sup>AO</sup>					
Manganese	mg/L	0.03	0.03	0.05 <sup>AO</sup>					
NOTE: Values exceeding the O	DWS limits are highli	ighted in yellow							

#### TDS

Total dissolved solids (TDS) refers to the concentration of inorganic substances dissolved in water. The main constituents are typically chloride, sulphates, calcium, magnesium and bicarbonates. Water with a TDS concentration above 500 mg/L of TDS may not be palatable. Procedure D-5-5 does not provide a 'treatability limit' for TDS, but it does require written rationale that corrosion, encrustation, or taste problems will not occur.

The Langelier Saturation Index (Langelier, 1936) is used to predict the calcium carbonate stability of water. It indicates whether the water will precipitate, dissolve, or be in equilibrium with calcium carbonate. The results of the Langlier calculation (LSI = 0.6) indicate the water

is super saturated and tends to precipitate a scale layer of calcium carbonate (scale forming but non-corrosive). See Appendix 3 for calculation details.

#### **Additional Parameters**

The final sample from the test well (TW2) was submitted for analysis of 'RVCA recommended metals', and phosphate. The analytical results are all non-detectable and/or below the applicable ODWS limits. See Table 8 (below). Laboratory certificates of analysis are included in Appendix 2.

Table 8 – G	roundwater	Geochmistrv	(TW2 - )	Additional	Parameters)
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GROUNDWATER GEOCHE	MISTRY - TW2 - ADDI	TIONAL PARAMETERS	S
		ODWS	TW2-WS2
Parameters	Units	Limit	19-Oct-16
RVCA Metals			•
Silver	mg/L	not specified	< 0.0001
Aluminum	mg/L	0.1 <sup>OG</sup>	< 0.01
Arsenic	mg/L	0.025 <sup>IMAC</sup>	< 0.001
Boron	mg/L	5 <sup>IMAC</sup>	0.14
Barium	mg/L	1 <sup>MAC</sup>	0.08
Beryllium	mg/L	not specified	< 0.0005
Cadmium	mg/L	0.005 <sup>MAC</sup>	< 0.0001
Chromium	mg/L	0.05 <sup>MAC</sup>	< 0.001
Copper	mg/L	1.0 <sup>AO</sup>	< 0.001
Molybdenum	mg/L	not specified	0.07
Nickel	mg/L	not specified	< 0.005
Lead	mg/L	0.010 <sup>MAC</sup>	< 0.001
Antimony	mg/L	0.006 <sup>MAC</sup>	0.0006
Sellenium	mg/L	0.01 <sup>MAC</sup>	< 0.001
Strontium	mg/L	not specified	4.56
Thallium	mg/L	not specified	< 0.0001
Uranium	mg/L	0.02 <sup>MAC</sup>	< 0.001
Zinc	mg/L	5 <sup>AO</sup>	< 0.01
Mercury	mg/L	0.001 <sup>MAC</sup>	< 0.0001
Chemical Parameters			
Phosphate (as P)	mg/L		<0.6
MAC = Maximum Acceptable Con	centration; OG = Operationa	al Guideline; AO = Aesthetic	Objective
ODWS = Ontario Drinking Water	Standards, Objectives and G	uidelines (MOE, 2003)	

#### **Offsite Well Water Quality**

A water sample was collected at the Dental Clinic at 7606 Village Centre Place on October 19, 2016. The analytical results are summarized in Table 9 (below).

The analytical results show that water quality at the Dental Clinic is acceptable and that there are no exceedances of the applicable health related parameter limits of the Ontario Drinking Water Standards (ODWS). The only exceedances are for the operational guideline limit for hardness, and the aesthetic objective limit for TDS. As discussed above, elevated hardness is normal in wells drilled throughout eastern Ontario due to the limestone bedrock.

GROUNDWATER GEOCHEMISTRY - OFFSITE WELL							
		Dental Clinic					
PARAMETER	UNITS	19-Oct-16	ODWS LIWITI				
HEALTH RELATED LIMIT	S						
Microbiological							
Escherichia Coli	ct/100 mL	0	0 <sup>MAC</sup>				
Total Coliforms	ct/100 mL	0	0 <sup>MAC</sup>				
Chemical							
Fluoride	mg/L	0.32	1.5 <sup>MAC</sup>				
N-NH3 (Ammonia)	mg/L	0.15	-				
N-NO2 (Nitrite)	mg/L	<0.10	1 <sup>MAC</sup>				
N-NO3 (Nitrate)	mg/L	<0.10	10 <sup>MAC</sup>				
Total Kjeldahl Nitrogen	mg/L	0.1	-				
Turbidity (Lab)	NTU	1.9	1.0 <sup>MAC</sup> /5.0 <sup>AO</sup>				
AESTHETIC and OPERAT	IONAL RELAT	ED LIMITS					
Hardness as CaCO3	mg/L	281	100 <sup>OG</sup>				
Alkalinity (as CaCO3)	mg/L	211	500 <sup>OG</sup>				
TDS (COND - CALC)	mg/L	593	500 <sup>AO</sup>				
Calcium	mg/L	63	-				
Chloride	mg/L	122	250 <sup>AO</sup>				
Colour	TCU	<2	5 <sup>40</sup>				
Conductivity	uS/cm	912	-				
DOC	mg/L	1.5	5 <sup>AO</sup>				
Hydrogen Sulphide	mg/L	< 0.02	0.05 <sup>AO</sup>				
рН	-	7.99	6.5-8.5 <sup>AO</sup>				
Phenols	mg/L	0.004	-				
Sulphate	mg/L	88	500 <sup>AO</sup>				
Tannin & Lignin	mg/L	<0.1	-				
Magnesium	mg/L	30	-				
Potassium	mg/L	7	-				
Sodium	mg/L	81	200 <sup>AO</sup>				
Iron	mg/L	0.21	0.3 <sup>AO</sup>				
Manganese	mg/L	0.03	0.05 <sup>AO</sup>				
NOTE: Values exceeding the OE	WS limits are highli	ghted in yellow					

#### Table 9 - Groundwater Geochemistry - Offsite Well (Dental Clinic)

Ditawa Kingston North Bay

# 6.0 DEVELOPMENT CONSIDERATIONS

#### 6.1 Well Water Treatment

The water within the bedrock aquifer displays elevated hardness. Installation of a standard commercial grade water softener will reduce the concentrations of hardness to acceptable levels. Conventional water softeners introduce sodium into the water supply, so it may be appropriate to bypass the water softener with a separate tap for drinking water.

# 7.0 CONCLUSIONS

The following statements and conclusions are based on the investigation and analysis contained within this report:

- The new onsite well (TW2) is technically suitable and appropriate for the purpose of characterizing the water supply aquifer for the proposed commercial site development.
- The bedrock aquifer at the subject site will provide a sufficient quantity of water for the intended commercial use (based on a maximum daily water demand of 40,000 L). In Paterson's professional opinion the probable well yield determined on the basis of this investigation is representative of the yield that can be expected in the future. The well yield is very high, and long term safe yield calculations suggest that pumping at the peak demand rate will be sustainable.
- The bedrock aquifer at the subject site will provide sufficient water quality for the intended commercial use. Elevated hardness and iron can be treated with the existing residential grade water softener.
- Historical land use of the subject property is not considered to be a concern as a potential source of contamination to the underlying bedrock aquifer.
- The only two potential offsite sources of groundwater contamination that were identified in the vicinity of the site are potential spills and road salt use along Bank Street and Parkway Road. Potential impacts to the bedrock aquifer are considered to be unlikely due to the confining nature of the upper bedrock.
- The subject site is considered to be suitable for commercial development based on the available well water yield and quality as determined by this investigation.



# 8.0 **RECOMMENDATIONS**

- The new drilled well (TW2) at 6045 Bank Street should be used for water supply for the proposed development.
- Water softener treatment is likely to cause an elevated concentration of sodium (> 20 mg/L) in the treated water. The local Medical Officer of Health should be notified in order to alert persons with medical conditions requiring a low sodium diet.

In summary, it is Paterson's professional opinion that this site is suitable for the commercial development. The hydrogeological recommendations contained within this report, if followed, will ensure that the development takes place in an effective manner, with a minimal impact on the natural environment.

# patersongroup

Russell L. Chown, P.Geo. Senior Hydrogeologist





Stephen J. Walker, P.Eng Principal



# 9.0 STATEMENT OF LIMITATIONS

This Potable Water Supply Assessment report has been prepared in general accordance with the agreed scope-of-work and the requirements of MOECC Procedure D-5-5: Technical Guideline for Private Wells: Water Supply Assessment (August 1996).

The conclusions presented herein are based on information gathered from a limited historical review along with a field inspection and testing program. The findings of this investigation are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by provincial agencies and was limited within the scope-of-work, time, and budget of the project herein.

This report was prepared for the sole use of **Greely Family Farm Inc. and Maverick Development Corporation**. Permission from the above noted party and our firm will be required to release this report to any other party.



Ottawa

#### North Bay

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# Appendix 1

• MOECC Water Well Records

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Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         Image: Saity       Minerals       Other         Gas       Saity       Minerals         Other       Other       Other         After test of well yield, water was       Clear and sediment free         Other, specify       Other         Chlorinated       Yes         Plugging and Sealin	Utside Jiam Blastic Galvaniz Jiam Blastic Galvaniz Jiam Denho Galvaniz	ed Fibreglass Concrete ed Fibreglass Fibreglass Concrete ed No Casing or Sci le Annular space	reen 9.144	я я я я н и и и и и и и и и и и и и и и	Recommended pump 4 /pe. Shallow Deep 4 Recommended pump 5 lepthmetres Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 fpumping discontin- led, give reason. 40 50 60 Location of Well	A           5           10           15           20           25           30           40           50           60
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Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         m       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         After test of well yield, water was       Other         Clear and sediment free       Other, specify         Chiorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         Ø       9,14       Cumm	Galvanizi Steel Plastic Galvaniz Utside Steel Balvaniz Galvaniz Galvaniz Galvaniz Open ho g Record Intonite slurry, neat co	ed Fibreglass Concrete ed Screen Fibreglass Concrete ed No Casing or Sci le Annular space Korean Volu cub	een 9.144 bandonment ne Placed ic metres) 76ag	BO.48	Recommended pump 4 /pe. Shallow Deep 4 Recommended pump 5 lepthmetres Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 fpumping discontin- ied, give reason. 40 50 60 Location of Well row distances of well from road row.	A           5           10           15           20           25           30           40           50           60
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Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Other       Other         After test of well yield, water was       Other         Clear and sediment free       Other, specify         Chiorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         Q       9,14       Cumm         O       9,14       Cumm         O       9,14       Cumm         Cable       Tool       Rotary (air)         Rotary (conventional)       Air percussion	Galvaniz	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Scr ed  No Casing or Scr ed  No Casing or Scr ed  Ide  Ide  Ide  Ide  Ide  Ide  Ide	Peen 9.144 bandonment me Placed ic metres) 76ay Digging Digging Other	BO.48	Recommended pump 4 /pe. Shallow Deep 4 /pe. Shallow Deep 7 Recommended pump 5 epth. metres 7 Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 fpumping discontin- ied, give reason. 40 50 60 Location of Well row distances of well from road row. 33 0	$\frac{4}{5}$ $\frac{10}{15}$ $\frac{20}{25}$ $\frac{30}{40}$ $\frac{40}{50}$ $\frac{60}{60}$ $\frac{1}{10}$ $\frac{1}{$
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Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Gas       Saity         After test of well yield, water was       Other         Other       Specify       Other         Chlorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         From       To       Material and type (be         From       To       Material and type (be         O       9,144       Common         Meth       Cable Tool       Rotary (air)         Rotary (conventional)       Air percussia         Rotary (reverse)       Boring         Domestic       Industrial         Stock       Commercial         Irrigation       Municipal         Fin <t< td=""><td>Galvaniz  Steel Plastic Galvaniz  Utside Galvaniz  Galvaniz  Utside Galvaniz  Galv</td><td>ed ed Fibreglass Concrete ed Screen Fibreglass Concrete ed No Casing or Scr ed Topic Supply etc. Volu Cub Cooling &amp; air conditioning H Unfinished Devatering</td><td>een 9.144 bandonment me Placed ic metres) 76ac 11 17 17 17 17 17 17 17 17 17</td><td>Audit No. Z</td><td>Accommended pump Accommended pump Accommended pump Secommended pump Secommended pump Accommended pump Accom</td><td><math display="block"> \begin{array}{c cccc}  &amp; &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp;</math></td></t<>	Galvaniz  Steel Plastic Galvaniz  Utside Galvaniz  Galvaniz  Utside Galvaniz  Galv	ed ed Fibreglass Concrete ed Screen Fibreglass Concrete ed No Casing or Scr ed Topic Supply etc. Volu Cub Cooling & air conditioning H Unfinished Devatering	een 9.144 bandonment me Placed ic metres) 76ac 11 17 17 17 17 17 17 17 17 17	Audit No. Z	Accommended pump Accommended pump Accommended pump Secommended pump Secommended pump Accommended pump Accom	$ \begin{array}{c cccc}  & & & & & \\  & & & & & \\  & & & & & \\  & & & &$
Gas       Saity       Minerals         Other       Presh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         m       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         After test of well yield, water was       Other         Chlorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         From       To       Material and type (be         Rotary (conventional)       Air percussic         Rotary (conventional)       Air percussic         Rotary (reverse)       Boring         Domestic       Industrial         Stock       Commercial         Irrigation       Municipal         Observation well       Abandoned, insu <td>Galvaniz</td> <td>ed  Fibreglass Concrete ed  Fibreglass Concrete ed  Fibreglass Slot No. Concrete ed  No Casing or Scr ed  No Casin</td> <td>een 9.144 bandonment me Placed ic metres) 76ag Digging Digging Other Other A toned, (Other)</td> <td>Audit No. Z</td> <td></td> <td><math display="block">\begin{array}{c c}  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp;</math></td>	Galvaniz	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  Fibreglass Slot No. Concrete ed  No Casing or Scr ed  No Casin	een 9.144 bandonment me Placed ic metres) 76ag Digging Digging Other Other A toned, (Other)	Audit No. Z		$\begin{array}{c c}  & & & & \\  & & & & \\  & & & & \\  & & & &$
Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         m       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         After test of well yield, water was       Other         Chorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         From       To       Material and type (be         Rotary (conventional)       Air percussic         Rotary (conventional)       Air percussic         Rotary (reverse)       Boring         Domestic       Industrial         Stock       Commercial         Irrigation       Municipal         Observation well       Abandoned, insu	Galvaniz Steel Plastic Galvaniz Utside Galvaniz Galvaniz Open ho g Record Mod of Construc on Water Use Mater Use Mater Use Mater Use	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  Fibreglass Slot No. Concrete ed  No Casing or Sci ed  No Casin	reen         9.144         bandonment         ne Placed         ic metres)         96.400         11         11         11         11         11         11         11         11         11         11         12         11         11         11         11         11         12         12         13         14         15         14         15         15         14         15         15         16         17         16         17         17         16         17         16         17         17         18         17         18         19         10         10         10         11         11         12         14	Audit No. Z Nas the well owner backage delivered?	Recommended pump 4 /peShallow Deep 4 /peShallow Deep 5 /pethmetres 7 Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 fpumping discontin-30 if pumping discontin-30 60 Location of Well now distances of well from road row. 33 0 40 50 60 Location of Well now distances of well from road row. 33 0 21758 Date Well 0 r's information Date Delive Yes No Ministry Use Only Contractor.	$ \begin{array}{c cccc}  & & & & & & \\ \hline  & & & & \\ \hline \hline  & & & \\$
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Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         Im       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         Im       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         After test of well yield, water was       Clear and sediment free       Other, specify         Chiorinated       Yes       No         Plugging and Sealin       Depth set at - Metres       Material and type (be         From       To       To       Meth         Cable       Tool       Rotary (air)         Rotary (conventional)       Air percussic         Rotary (reverse)       Boring         Domestic       Industrial         Stock       Commercial         Irrigation       Municipal         Water Supply       Recharge well         Observation well       Abandoned, insu         Test Hole       Abandoned, opoor         Well Contractor       Municipal </td <td>Galvaniz Steel Plastic Galvaniz</td> <td>ed  Fibreglass Concrete ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Sci Concrete  tion  Fibreglass Concrete  Concrete  Cooling &amp; air conditioning Cooling</td> <td>een 9.144 bandonment me Placed ic metres) 76ay Digging Other Digging Other doned, (Other)</td> <td>Audit No. Z Nas the well owned backage delivered?</td> <td>Recommended pump       4         /pe.       Shallow       Deep         Secommended pump       5         lepth.       metres         Recommended pump       10         ate.       (litres/min)       15         flowing give rate -       20         (litres/min)       25         rpumping discontin-       30         ed, give reason.       40         50       60         Location of Well         now distances of well from road         row.       33.0         33.0       33.0         33.0       33.0         Ministry Use Only       Contractor         Ministry Use Only       Contractor         YYY       MM       DD</td> <td><math display="block">\begin{array}{c c}  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp;</math></td>	Galvaniz Steel Plastic Galvaniz	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Sci Concrete  tion  Fibreglass Concrete  Concrete  Cooling & air conditioning Cooling	een 9.144 bandonment me Placed ic metres) 76ay Digging Other Digging Other doned, (Other)	Audit No. Z Nas the well owned backage delivered?	Recommended pump       4         /pe.       Shallow       Deep         Secommended pump       5         lepth.       metres         Recommended pump       10         ate.       (litres/min)       15         flowing give rate -       20         (litres/min)       25         rpumping discontin-       30         ed, give reason.       40         50       60         Location of Well         now distances of well from road         row.       33.0         33.0       33.0         33.0       33.0         Ministry Use Only       Contractor         Ministry Use Only       Contractor         YYY       MM       DD	$\begin{array}{c c}  & & & & \\  & & & & \\  & & & & \\  & & & &$
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Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         m       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       O         After test of well yield, water was       O         Clear and sediment free       Other, specify         Chlorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         Ø       9.14       Cumm         O       9.14       Cumm         Material and type (be       From       To         Material and type (be       From       To         Ø       9.14       Cumm         Material and type (be       From       Name (be         Rotary (conventional)       Air percussic       Air percussic         Rotary (conventional)       Air percussic       Stock         Commercial       Municipal       Fil         Ø       Water Supply       Recharge well         Observation well       Abandoned, nou	Galvaniz Steel Plastic Galvaniz	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Sci ed  No Casing or Sci le  Annular space  Annular space  Annular space  Cooling  Public Supply Not used Cooling & air conditioning  II Unfinished Dewatering Replacement well Information  Well Contrector's  If y I Y  Well Technician's	reen         9.144         bbandonment         me Placed         ic metres)         76.45         11         Placed         11         11         11         12         11         11         11         12         11         11         12         12         12         13         14         15         15         16         17         17         17         17         17         17         10         10         10         10         10         11         12         12         13         14         14         15         16         17         17         18         17         18         18         18         17         18	Audit No. Z Was the well owned package delivered? Data Source Data Received Remarks JAN	Recommended pump       4         /pe.       Shallow       Deep         Shallow       Deep       Recommended pump       5         lepth.       _metres       Recommended pump       10         ate.       (litres/min)       15       15         flowing give rate -       20       0       15         flowing give rate -       20       0       40         fouring discontin-       30       60       60         Location of Well       30       60       60         Location of Well       30       60       60         Location of Well       70       70       70         how distances of well from road row.       33.0       70       71         Quartication       Date Well form road row.       73.0       71         Ministry Use Only       Contractor       Contractor         YYY       MM       D       Date of Inst         1       1       2006       Well Record	$\begin{array}{c c}  & & & & \\  & & & & \\  & & & & \\  & & & &$
Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         Im       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       O         After test of well yield, water was       O         Clear and sediment free       Other, specify         Chlorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         From       To       Material and type (be         From       To       Material and type (be         Form       Tool       Rotary (air)         Rotary (conventional)       Air percussia         Stock       Commercial         St	Galvaniz Steel Plastic Galvaniz	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Sci ed  No Casing or Sci le  Annular space Volu cub  Annular space Cooling Co	een 9.144 bandonment me Placed ic metres) 76 ac Digging Other Digging Other Other tricence No. C C C C C C C C C C C C C	Audit No. Z Nas the well owner backage delivered? Data Source Data Received Remarks JAN	Recommended pump 4 /pe. Shallow Deep Recommended pump 5 lepthmetres Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 froumping discontin- ied, give reason. 40 50 60 Location of Well now distances of well from road row. 33 21758 Date Well for 1 1 2006 Date Only Well Recor	$\begin{array}{c c}  & & & & \\  & & & & \\  & & & & \\  & & & &$
Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         Im       Fresh       Sulphur         Gas       Saity       Minerals         Other       Sulphur       O         After test of well yield, water was       O         Clear and sediment free       Other, specify         Chlorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         From       To       Material and type (be         Form       To       Material and type (be         Rotary (conventional)       Air percussic         Rotary (conventional)       Air percussic         Rotary (reverse)       Boring         Domestic       Industrial         Stock       Commercial         Irrigation       Matoned, insu </td <td>Galvaniz Steel Plastic Galvaniz</td> <td>ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Scr en  Fibreglass Slot No. Concrete ed  No Casing or Scr ie  Annular space A Annular space Annular spa</td> <td>een 9.144 bandonment me Placed ic metres) 76ac 11 17 17 17 17 17 17 17 17 17</td> <td>Audit No. Z Nas the well owner backage delivered? Data Source Data Received Remarks JAN</td> <td>Recommended pump 4 /pe. Shallow Deep Recommended pump 5 lepthmetres Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 froumping discontin- ied, give reason. 40 50 60 Location of Well now distances of well from road row. 33 0 10 21758 Date Well 0 No Ministry Use Only Contractor YYY MM DD Date of Inst 1 1 2006 Well Recor</td> <td><math display="block">\begin{array}{c c}  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp; \\  &amp; &amp; &amp; &amp;</math></td>	Galvaniz Steel Plastic Galvaniz	ed  Fibreglass Concrete ed  Fibreglass Concrete ed  No Casing or Scr en  Fibreglass Slot No. Concrete ed  No Casing or Scr ie  Annular space A Annular space Annular spa	een 9.144 bandonment me Placed ic metres) 76ac 11 17 17 17 17 17 17 17 17 17	Audit No. Z Nas the well owner backage delivered? Data Source Data Received Remarks JAN	Recommended pump 4 /pe. Shallow Deep Recommended pump 5 lepthmetres Recommended pump 10 ate. (litres/min) 15 flowing give rate - 20 (litres/min) 25 froumping discontin- ied, give reason. 40 50 60 Location of Well now distances of well from road row. 33 0 10 21758 Date Well 0 No Ministry Use Only Contractor YYY MM DD Date of Inst 1 1 2006 Well Recor	$\begin{array}{c c}  & & & & \\  & & & & \\  & & & & \\  & & & &$
Gas       Saity       Minerals         Other       Fresh       Sulphur         Gas       Saity       Minerals         Other       Minerals       Other         Im       Fresh       Sulphur         Gas       Saity       Minerals         Other       Sulphur       O         After test of well yield, water was       O         Clear and sediment free       Other, specify         Chlorinated       Yes       No         Plugging and Sealin       Depth set at - Metres         Material and type (be       From       To         From       To       Material and type (be         From       To       Material and type (be         From       To       Material and type (be         Rotary (conventional)       Air percussia         Rotary (conventional)       Air percussia         Rotary (reverse)       Boring         Domestic       Industrial         Stock       Commercial         Irrigation       Municipal         Fit       Water Supply       Recharge well         Observation well       Abandoned, nou         Doservation well       Abandoned, poor         Well	Galvaniz	ed  Fibreglass Concrete ed  Screen  Fibreglass Concrete ed  No Casing or Scr ed  No Casing or	een 9,144 bandonment ne Placed ic metres) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Audit No. Z Nas the well owner backage delivered? Data Source Data Received Remarks JAN r's Copy [7]	Recommended pump       4         /pe.       Shallow       Deep         Secommended pump       5         epth.       metres         Recommended pump       10         ate.       (litres/min)       15         flowing give rate -       20         (litres/min)       25         rpumping discontin-       30         edd, give reason.       40         50       60         Location of Well         now distances of well from road         now.       33.0         33.0       33.0         33.0       33.0         10       24.0         10       25.0         10       0         11       2006         11       2006         Well Recor	Completed MA 5 10 10 15 20 25 30 40 50 60 0 0 0 0 0 0 0 0 0 0 0 0 0

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Ministry of the Environment	Well 2052444	and the second
ng Form	A0524=	- Andrews

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umber below)

#### Instructions for Completing Form

Ontario

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- 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 Help Desk (Toll Free) at 1-888-396-9355. All metre measurements shall be reported to 1/10<sup>th</sup> of a metre. Please print clearly in blue or black ink only. ø ۲

Address of Well Location (County,	/District/Municipality)	Το	wnship			Lot	Conces	sion
RR#/Street Number/Name # 7368 6-1 GPS Reading NAD Zon 813 75 Log of Overburden and Be	Easting Northing Northing ASS/740 50		Gity/Town/Vi Unit Make/M	llage odel Mode	of Operation:	Differentiated,	Block/Trac PI ad specify	2 ct etc. 134 74 Averaged
General Colour Most common	material Other Material	erials		Genera	I Description		Depth	Metres
Sand	* Boulders	n, 10					6	8:69
Line Sere Whit	stare Istare re Sondstare	978				l Ga	86° 49.5 742	1 40,54 4 52,42 R 64.00
Hole Diameter	Const	ruction Reco	brd			Test of We	II Yield	
Depth Metres Diameter	Inside	Wall	Depth	Metres	Pumping test me	thod Draw	Down	Recovery
From To Centimetres	diam Material centimetres	thickness centimetres	From	То	Sublan	AP Time Win	ater Level Metres	Fime Water Level min Metres
0 04 15		Casing			(metres)	Static Level	356	9.78
Water Record	Steel Fibreglass Plastic Concrete Galvanized	,48	0	56,39	Pumping rate - (litres/min)	ing 2	5.48	1 5.87
Water found at Metres Kind of Water	Steel Fibreglass				Final water level of pumping	_ min end <u>3</u>	,43	3 387
Other: Sulphur	Galvanized				Recommended p type. Shallow	Ump 4	1,05 1 e	4 3.72
Gas Saity Minerais	Galvanized	Screen			depth. 4-Sm Recommended p	etres ump 10	2.57	10 3 4-2
Gas Salty Minerals	Outside diam Steel Fibreglass	Slot No.			rate. (litres/min) If flowing give rat	e - 20 4	00	15 <u>2</u> <u>3</u>
Other, specify	Galvanized No Ca	asing or Scre	en		If pumping disconued, give reason.	lin- 30 40	7.40 ,52 ,70	25 <u>5</u> <u>5</u> 30 <u>7</u> <u>56</u> 40 <u>3</u> <u>26</u>
Chlorinated Ves No	Sopen hole	e C	55,78	64.00		50 60	,83 ,98	50 3.26 60 3.26
Plugging and Se Depth set at - Metres From To Material and typ	e (bentonite slurry, neat cement slurry)	space At etc. Volum	e Placed metres)	In diagram below	Locat	ion of Well well from road	Jot line, ar	d building N
55 705273 Nee 5273 6 Bont	+ Cene+Slurr. anite Slurry	1 1	816	#1268	3 Parki	WAM 9		
					*	1200		
	athed of Construction				e k	02		
Cable Tool Rotary ( Rotary (conventional)	(air) Diamond Sussion Jetting		Digging Other	(	5 800'			
	Water Use	/	Other		È		-fl.x	-01#8
Stock     Comme     Irrigation     Municip	al Cooling & air	conditioning	11.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Audit No.	64733	Date Well C	ompleted	7 0000
Water Supply     Recharge we       Observation well     Abandoned,       Test Hole     Abandoned,	ell Unfinished insufficient supply Dewatering poor quality Replacement	Abando	oned, (Other)	Was the well ov package delivere	vner's information bd?			7 <u>0203</u>
Name of Well Contractor	tractor/ i ecnnician information	I Contractor's L	icence No.	Data Source	WIIIISU	Contractor		9
Name of Well-Technician (last name, f	instriame) Wel		a to icence No.	Remarks	JUN 12 8 1200	Well Record	Number	YY MM DD
Signature of Technician/Contractor	Date	Suprimiley TYY	MM PD					

page \_\_\_\_ of \_\_\_\_

15	Minio	4m. af			g#: A135278	3 or Print Below)	719595	3			C	ord
VF O	ntario the E	nvironment	, F		A135278	,		L UL 11 903 (	Jntario V	vater <del>k</del> e	source	s Act
Measurem	ients recorded in:	Metric 🕅	Imperial						Pag	je	f	
Well Ow First Name	ner's Information	Last Name /	Organizatio	n /	· _	E-mail-Address				- Wal	Ponstri	
		000	CLTD		X METCA	LFE DE	NAL	9	-11/10	<u> </u>	leil Owr	ier
Mailing Add	dress (Street Number/Na Morivalo Dord	me) Quito 21	nn		Aunicipality	Province	KOG 1	FR	Telephon	e No <del>. (</del> ind	:, area ci	ode)
Well Loc	ation	June 21			Ollawa							
Address of	Well Location (Street Nu	Imber/Name	)	Т	ownship		Lot 6		Concess	ion		
County/Dis	strict/Municipality	lace		C	City/Town/Village	an a		Provir	nce	Posta	al Code	
		N	orthina		Greely Aunicipal Plan and Suble	ot Number		Ont	ario			
NAD	8 3 18 4566	an	501220	6	4M-1398			Bloc	<u>k 66</u>			
Overburd	en and Bedrock Mater	ials/Abando	onment Se	aling Reco	rd (see instructions on the	back of this form)	oral Decoription		1	De	pth (m)#	₽—
General C	NOST COM					Gen				From		<u>'o</u>
~		Sand &	k Gravel	q	Boulders	<u> </u>	e an	e denate	(gyrenne en	<u> </u>	3/	,
Grey	<u></u>	Limest	one	<u>et the second second</u>	Sand o (	A Card	a ya a garanza angelika ana at	<u></u>		<u>- 31</u> 118	171	,
Uney		Canada		9	2410 242	ne wux	1997 - 1997 -			171	288	<i>i</i>
White		Sandet	one	n annail n Stàiteann an		<u>na serie serie de la contra de la contra de</u>	ensisten en e	<u>aan aa da san si</u> Referensi yageen	and a grant of a state	288	'358 <sup>′</sup>	••••••
White	Anton on approximation of the second s	Sandst	one	n an an the second s			<u></u>			358 (	364	r
		Annular	Space				Results of We	ell Yie	d Testin	g		
Depth Se From	et at ( <i>m/tt)</i> To	Type of Sea (Material ar	alant Used nd Type)		Volume Placed (m <sup>3</sup> (179)	Clear and sand	free	Time	Water Le	vel Time	Water	Level
198	188 Neat ce	ment	Maria (Maria) Maria	han an a		If pumping discontinu	Not tested	(min) Static	( <i>m/ft</i> )	(min)	(m/	<i>nt)</i>
188′	0 ' Bentonit	e slurry	2010 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 10 		58.8		cu, give reason.	Level	9.0	1	8.8	•
					and the second	Pump intake set at (	TD	) 	9.8	<u></u>	9.6	<u>;</u>
						300		2	9.9	2	9.6	<u>;</u>
Meth	nod of Construction			Well Us	e	Pumping rate (I/min )	(CPM)	3		3	9.6	<u>j</u>
Cable To	col Diamon Conventional) Usetting	d DPu	blic mestic	Commei	rcial  Not used I Dewatering	Duration of pumping	<u>e a constante de constante</u> L	4	9.9		9.6	<u>}</u>
Rotary (F	Reverse)		restock	Test Hol	e Monitoring	hrs + Final water level end	min of pumping <i>(m/ft</i> )	5	9.9	5	9.6	3
Air percu	ussion		lustrial		a Air Conditioning	9.9		10	9.9	10	9.6	<u>}</u>
	Construction B		sing		Status of Well	If flowing give rate ()	min / GPM)	15	9.9	15	9.6	<u>}</u>
Inside	Open Hole OR Material	Wall	Dept		Water Supply	Recommended pum	p depth (math	20	9.9	20	9.6	<u>} •</u>
(cmAD	Concrete, Plastic, Steel)	(cm/fp)	From	То	Replacement Well	Recontrended pum	n rate	25	9.9	25	9.6	<u>}</u>
e 1/4"	Steel	.188	+2 '	198	Recharge Well	(I/min / CEM)	p 120	30	9,9		9.6	}
6"	Open Hole		198'	305	Observation and/or     Monitoring Hole	Well production (I/mi	KIGPM)	40	9.9	40	9.6	}
57/2"	open Hole		305	364'	Alteration	20 Disinfected?	<u>a de la companya de</u> En al companya de la c	50	9.9	50	9.6	<u>}</u>
					Abandoned,	Zeves No		60	9.9	60	9.6	<u>}</u>
Outsido	Construction R	ecord - Scre	en Dantt	(	Abandoned, Poor	Please provide a mar	Map of W	ell Loc instruct	ation	e back		
Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	From	То	Abandoned, other,		, selett tenetining				1	
				-							V	_
			>		Other, <i>specify</i>		)				12	-
	Water De	tails		H	ole Diameter	89	/ \				Ø	大
Water foun	d at Depth Kind of Wate	er: 🗌 Fresh, [	Untested	Dept From	h ( <i>m/ft)</i> Diameter To ( <i>cmfm</i> )	10.7		34	$\Delta \Delta$ .		N	g
288 (m Water foun	d at Depth Kind of Wate	ecify er:Fresh	V Untested		and 03/1"					_	15	3
358 (m	🕖 🗌 Gas 🛄 Other, spe	ecify			198 174						Ŧ	
Water foun	d at Depth Kind of Wate	er: ∐Fresh [ ∋ <i>cifv</i>	Untested	198-	303 57/6"	+-71					3	
	Well Contracte	or and Well	Technicia	n Informat	ion	* 16	06 Vi	lla	ge.			
Business Na	ame of Well Contractor	and a second		We	I Contractor's Licence No.	(	entre	7	Ple	z C(	2	
Air Rock Business Ac	<u>k Drilling Co. Ltd.</u> ddress (Street Number/Na	ame)	Na syntae e sa se aragan.	1 í Mui	nicipality	Comments:	·					
6659 Fr	anktown Road, RR	#1aparate especies	egen Grandstan	reac	Ichmond	H Metal	Re Dan	tal	Cli	nic.	X	
ON	HOA 220	Business	i ⊨-mail Add air-rock@	⊪ess ⊉sympati	co.ca	Well owner's Date F	Package Delivere	d ]	Min	istry Us	e Only	
Bus.Telepho	ne No. (inc. area code) Na	ame of Well T	echnician (l	ast Name, I	First Name)	Information package	Adx Mahal	sholl	Audit No.	АЛ	105	:0
8138382 Well Technici	170 an's Licence No. Signature	Graham of Technicia	n <mark>. Ryan</mark>	ntractor Dat	e Sybmitted	Yes Date V	Vork Completed	<u></u>	۷.	14	+ Q C	13
T3484	KI KG	2ng	D	Y		No Y	V4V MM	<b>1</b> 0 10	Received	1 <u>28</u>	2013	
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s Сору

Measurem	Intario Minist the En	ry of wironment Metric Milm	perial	Wenna	A177731	'rint Below)	CITY P	ARK	Pane		of
Well Ow	ner's Information										
First Name		ast Name / Or. City	ganization <b>\f Otta\</b>	wa cio	D&G Landsca	E-mail Address			E	] Well	Constructe
Mailing Add	dress (Street Number/Nar	me)		INCA CATO	Aunicipality	Province	Postal Code	,	Telephone	No. (inc	area code
1341	Coker Street				Greely	ON	K4P 1	A1			
Well Loca	ation Well Location (Street Nur	nber/Namo)			Township				Cananaia		
1400	Water's Edge	Wax			Osaoode		6		5	1	
County/Dis	trict/Municipality	5		C	City/Town/Village		1	Provir	ice	Posta	I Code
Otta	wa-Carleton	North	าเกต	٨	Greely Aunicipal Plan and Subl	ot Number		Ont	ario		
NAD	8 3 18 45661	57 5	n1258 <i>4</i>		AM_1202	ot Number			רע 7 <u>5</u>		
Overburde	en and Bedrock Materia	als/Abandonr	nent Seali	ng Reco	rd (see instructions on the	e back of this form)					
General Co	olour Most Comm	non Material		Oth	er Materials	Gener	al Descriptior	1		Dep From	oth ( <i>m/to</i>
		Sand		4	Gravel					o '	20
Grey		Limesto	ne							20 1	1571
Grey &	White	Sandsto	ne							157 ′	260 ′
Grey &	. White	Sandsto	ne							260 '	275 <i>1</i>
Grey &	White	Sandsto	ne							275 <i>'</i>	282 ´
· · · ·											
	RFT 4	#02	114.	- 9	8872	TOS					
		Annular Sp	bace			R	esults of W	ell Yiel	d Testing		
Depth Se From	et at ( <i>m/fb)</i> To	Type of Sealar (Material and	nt Used Type)		Volume Placed	After test of well yield, v	vater was:	Dr	aw Down Water Leve	R	ecovery Water Lev
198 ′	188' Neat cer	ment			10.9	Other, specify	lot tested	(min)	(m/ft)	(min)	(m/ft)
188 '	0' Bentonit	e slurry			75.6	If pumping discontinued	l, give reason:	Level	6.9		67.8
						$  \times$		1	17.2	1	53.2
	litere Statistice en data de la constante de la Este constante de la constante d					Pump intake set at (m	ΈĻΡ	2	23.3	2	44
						2/U Pumping rate (I/min / A	PMD	3	28.2	3	35.8
	ol Diamond	Dublic		Well Us		20 mart 10 mart		47	32.5	4	30.2
Rotary (C	Conventional)		stic	] Municipa		Duration of pumping	in	5	28.7	F	ማጣ A
_ Rotary (R Boring	(everse) Driving	Livest	ock	] Test Hol ] Coolina	e [_] Monitoring & Air Conditioning	Final water level end of	pumping (m/ft)	10		10	
Air percu	ssion		rial			67.8 "		10	50.5	10	0.9
	Construction Re	cord - Casin	a specny		Status of Well	If flowing give rate (I/m	in / GPM)	15	55.7	15	6.9
Inside	Open Hole OR Material	Wall	Depth (n	Ð	Water Supply	Recommended pump	depth (m@	20	61.4	20	6.9
(cm/	(Galvanized, Fibreglass, Concrete, Plastic, Steel)	(cm(in)	From	То	Replacement Well	125		25	65.3	25	6.9
614"	Steel	.188'	+2 (	198′	Recharge Well	Recommended pump	rate	30	67.6	30	6.9
1.0	Open Hole		198 (	282	Dewatering Well     Observation and/or	20 Well production ///min	(CDW)	40	67.8	40	6.9
6					Monitoring Hole	20		50	67.8	50	6.9
					(Construction)	Disinfected?	e Altaria en altera	60	67'8"	60	8'9"
	Construction Be	aard Saraan			Insufficient Supply		Map of W		ation		
Outside	Material	coru - Screen	Depth (n	n/ft)	Abandoned, Poor Water Quality	Please provide a map b	elow following	instructi	ons on the b	ack.	
Diameter (cm/in)	(Plastic, Galvanized, Steel)	Slot No.	From	То	Abandoned, other, specify				0		
	$\sim$					D <sub>o</sub>		\ <i>\</i>	Rose	AI	、 、
					Other, <i>specify</i>	TAI	KUJA	54			
	Water Deta	ails		Н	ole Diameter			اد . د	han		
Vater found	d at Depth Kind of Water	: 🗌 Fresh 🙀	Untested	Dept	h ( <i>m/ft</i> ) Diameter			.014		50	11 -
260 (m	Gas Other, spec	cify	linte at a d	FIOIII				N.	r   4	2 94	
275 (m)	$\square$ Gas $\square$ Other, spec	cify		<u> </u>	198" 974		$2 \leftarrow$		$\neg  $	- 12	X:
Vater found	at Depth Kind of Water	: Fresh I	Intested	198	282 614"		19	50'	作)	í Æ	Ū-
(៣/	/ft) Gas Other, spec	cify		-			1			3	
Business Na	Well Contractor	r and Well Te	chnician I	nformat	ION			,			
Air Roc	k Drilling Co. Ltd.			1	119				}		
Business Ad	Idress (Street Number (Nar	<b>1</b> 9)		MH	nicipality Chmond	Comments:	a				
	· · · · · · · · · · · · · · · · · · ·					1 HP - 15 GPN	n sel @1	29 FI	*		
Province	Poetal Codo	Rucinoco	mail Address	20		•					
Province ON	Postal Code KOA 2ZO	Business E-	mail Addres ir-rock@	s sympal	tico.ca	Well owner's Date Pa	ckage Delivere	d I	Minist	ry Use	Only
Province ON Bus.Telephor	Postal Code KOA 2ZO ne No. (inc. area code) Nar	Business E- a ne of Well Tecl	mail Addres ir-rock@ nnician (Las	s <b>s sympal</b> t Name, F	ti <b>co.ca</b> First Name)	Well owner's Date Pa information package	ckage Delivere	d 26	Minist Audit No.Z	ry Use 1 Q	0nly 1 3 ∕1 (
rovince ON us.Telephor 6138382	Postal Code KOA 2ZO ne No. (inc. area code) Nar 2170	Business E- a ne of Well Tecl Hogan, D	mail Addres ir-rock@ nnician (Las	ss sympal t Name, F	ti <b>co.ca</b> First Name)	Well owner's information package delivered Voc	ckage Delivere	d 26	Minist Audit No.Z	19	0nly 1349
rovince ON us.Telephor 3138382 <sup>(H)</sup> Jechnick T <b>305</b> 8	Postal Code KOA 220 ne No. (inc. area code) Nar 170 an's Licence No: Signature	Hogan, D of Technician a	mail Addres ir-rock@ nnician (Las an ind/or Contra	ss sympal t Name, F actor Date	tico.ca First Name) 空钟ゆitted_01_30	Well owner's information package delivered     Date Pa       20     20       X     Yes       No     20	ckage Delivere	d 26 12	Minist Audit No.Z	19 15	<u>only</u> 134:

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B, <u>5101120</u> Z C The Ontario Water Reso	urces Commission A	Act	JL) 14(3	
Elev. A da 3 10 10 WATER WEL	L RECC	)RD,	ONTARIO WA' RESOURCES COMM	TER AISSION
Basin 25 County or District Collor	ownship, Village, To	wn or City.	-O sy	ood
Con. 5 Lot. 6	ate completed	dav	month	/961 year)
	Idress R R	# 2	mon	stick
Casing and Screen Record		Pumpi	ng Test	
Inside diameter of casing 4'	Static level		7	
Total length of casing <b>7</b>	Test-pumping rat	e	10	G.P.M.
Type of screen	Pumping level		10	
Length of screen	Duration of test p	umping	2 /	aus
Depth to top of screen	Water clear or clo	udy at end o	of test	clean
Diameter of finished hole	Recommended pu	imping rat	e 5	G.P.M.
	with pump setting	; of	5 feet belo	w ground surface
Well Log			Wate	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Aundy sail	0	12	23	fresh
Quicky sard	12	15		
hand aress hack 3	17	23		
X. X				
<u>N</u> ~				
For what purpose(s) is the water to be used?		Locatio	n of Well	I
house	In diagram	below sho	w distances of we	ell from
Is well on upland, in valley, or on hillside?	road and	lot line. I	ndicate north by	Y Allow.
Drilling or Boring Firm Cayer Well dill	en		21	REEL
		ې ۱		
Address St. allert		6	1 2	
ant.		•	SIL &	' /۲
Licence Number		7	0 9 4	
Name of Driller or Borer Carger Carger			A F	
Address N- a rest			N,	
Date 8 unguss			3	
(Signature of Licensed Drilling or Boring Contractor)			Z	
Form 7 15M Sets 60-5930			<b>₽</b>	
OWRC COPY			ξ. L	n y sta Na sta

UTM $1/18 ^2$ $4/5 6 3 0 6 ^E$ $5 R 5 0 / 2 / 3 0 ^N$ Optimic Water Base	Vurces Commission	1507308	- EB 20	D DRANCH B
Elev. 41R 0131015 WATER WEL Basin 215 Actilitor	L REC	ORD	ONTARIO	WATER MINISSION
Con 5 Lot 6	Date completed	14 (day TCA / /	Sep 7 Fe	year)
Casing and Screen Record		Pumpin	g Test	
Inside diameter of casing 5 <sup>"</sup> Total length of casing 22 Type of screen Length of screen Depth to top of screen Diameter of finished hole	Static level Test-pumping r Pumping level Duration of test Water clear or c Recommended with pump sett	pumping cloudy at end of pumping rate ing of	6 12 hr test Cle 3 6 feet belo	G.P.M. G.P.M. ww ground surface
			Wate	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Sand	0	21		
limentore	2/	27	26	frank
For what purpose(s) is the water to be used?	In diagr road an	Location ram below show ad lot line. In	of Well v distances of we dicate north by	ell from arrow.
			$ =  \langle \uparrow \rangle $	~N `
Address Mempulli Licence Number 700 Name of Driller or Borer Address Date 74663 Name of Licenset Driving or Boring Contractor)			300 J.C. 70	E

316/50 UTM 1/18 Z 41516121310 E		150731	INTERNET	Te	
Eley of ZR EI3 1015 WATER WEI Basing or District Concern	ources Commission LL REC Township, Village, T	Act RESU ORD	ONTARIO WATER DURCES COMMISSI	ON	
Con. Lot I	Date completed	(day 110 7.1	D 9-1 month 4 6-2 2	year)	
Casing and Screen Record		Pumpi	ng Test		
Inside diameter of casing       3         Total length of casing       2.8         Type of screen       4         Length of screen       5         Depth to top of screen       5         Diameter of finished hole       5	Static level Test-pumping r Pumping level Duration of test Water clear or c Recommended with pump setti	ate pumping loudy at end c pumping rate ng of <b>2</b>	8 10 16 16 16 16 16 16 16 16 16 10 10 10 10 10 10 10 10 10 10 10 10 10	G.P.M. G.P.M. G.P.M. ow ground surface	
Well Log			Wate	er Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)	
SAMDY GRAVEL	0	24			
Limitstan	24	35	35	Farts#	
For what purpose(s) is the water to be used? Houst Is well on upland, in valley, or on hillside?	In diagra road and	Location am below sho d lot line. I	n of Well w distances of w ndicate north by	ell from y arrow.	
Drilling or Boring Firm M M E A 6 H E P Address Licence Number 1636			150	بر ا	
Name of Driller or Borer Address Date (Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138		6	BEEFY	40'	
OWRC COPY			• • •		
69	314/50.		1507326	WATER RESOURC	YES &
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UTM 18 2 415 16 18 16 19	E		1007020	Nariana tari	7321
5 R 5101/1191019	The Ontario Water Reso	urces Commission	Act	ONTARIO WATE	
Elev, 4 12 1915 W	ATER WEL	L RECO	) R D	SOURDIS COMM	SSIDE N
Basinty or District [ ] Calleton	<u>.</u> Т	ownship, <del>Villag</del> e, <del>Te</del>	wn or City	Orgo	od
Con. Lot.		ate completed	day	month:	year)
		ess R. R.	2 0	Acres L	cell
Casing and Screen R	ecord	· · ·	Pumping	; Test	
Inside diameter of casing	nch	Static level	8	· · ·	
Total length of casing $42$		Test-pumping rat	te	10	G.P.M.
Type of screen		Pumping level		1)	*
Length of screen		Duration of test p	umping	-l-	the second s
Depth to top of screen		Water clear or clo	oudy at end of	test	C PM
Diameter of finished hole		Recommended p	umping rate $\mathcal{I}$	fact holo	w ground surface
		with pump setting	g oi	Water	
Well Log		Enom		Depth(s) at	Kind of water
Overburden and Bedro	ock Record	f rom ft.	ft.	which water(s) found	(fresh, saity, sulphur)
i si deg		0	25	40	freed
		4.5	.3 500		
a cred cond in	*	3 ,*	ingen ()		
				,	
For what $purpose(s)$ is the water to be used	d?	1	Location	of Well	
Tor what purpose (b) is the	<u>.</u>	1 In diagram	n below show	distances of we	ll from
Is well on upland, in valley, or on hillside?	Mp Gard	road and	lot line. The	licate north by	
Drilling or Boring Firm	C. C. J. C. J.				H
		2.2	es i		
Address					
) 13					_
Licence Number			Nr.	*	*
Name of Driller or Borer Maure	e carge	. 5	-00 60.		
Address and Address	196		pi-		
Date a d III ary					~
(Signature of Licensed Drilling or	Boring Contractor)	1 431	(		
Form 7 15M-60-4138			1		
	(A)		12: 20	( <sub>-</sub>	d.

X 4363900		
11 (7, 110) DOLD LAL	1509571 1509571	
CODED	3 9 JAD 19 1968 -	
The Ontario Water Res	sources Commission Act	
WATER WE	LL RECORD	
Calt	E di Milli E di Qarad	
County or District	Data completed 2 Qrt 19	58
Con	day month year)	<del>.</del>
	dress they ont.	•••••••
Casing and Screen Record	Pumping Test	
Inside diameter of casing 9 inch	Static level	
Total length of casing 21	Test-pumping rate	G.P.N
Type of screen	Pumping level	•••••
Length of screen	Duration of test pumping 30 min	1
Depth to top of screen	Water clear or cloudy at end of test	y
Diameter of finished hole 4 inch	Recommended pumping rate	G.P.N
	with pump setting of feet below ground	surfa
Well Log	Water Record	
Overburden and Bedrock Record	From To Which water (s) (fresh, s ft. ft. ft. ft. st. st. st. st. st. st. st. st. st. s	salty, ur)
dout sandy sail	0 3, 2.4 fre	s
Quick pand	3 21	
backhord rock	2/ 26	
For what purpose(s) is the water to be used?	Location of Well In diagram below show distances of well from	
For what purpose(s) is the water to be used?	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	<u></u>
For what purpose(s) is the water to be used? New Kause Is well on upland, in valley, or on hillside?	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	ro
For what purpose(s) is the water to be used? New Kause Is well on upland, in valley, or on hillside? Drilling or Boring Firm Maurice Cayon	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	ro
For what purpose(s) is the water to be used? New hause Is well on upland, in valley, or on hillside? Drilling or Boring Firm Maurice Cayer	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	20- 31
For what purpose(s) is the water to be used? New hause Is well on upland, in valley, or on hillside? welley Drilling or Boring Firm Maurice Cayer Address. Ont	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	20- 31
For what purpose(s) is the water to be used? New hange Is well on upland, in valley, or on hillside? Valley Drilling or Boring Firm Maurice Cayer Address Cayelman 2911	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	20- 31
For what purpose(s) is the water to be used? New Kause Is well on upland, in valley, or on hillside? Drilling or Boring Firm Maurice Cayer Address Licence Number Name of Driller or Borer	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	21
For what purpose(s) is the water to be used? New Lause Is well on upland, in valley, or on hillside? Walley Drilling or Boring Firm Maurice Cayer Address Licence Number Name of Driller or Borer Address	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	20- 31
For what purpose(s) is the water to be used? New Kause Is well on upland, in valley, or on hillside? Walley Drilling or Boring Firm Maurice Cayer Address Licence Number Name of Driller or Borer Address Date $O \neq 1968$	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	21
For what purpose(s) is the water to be used? New hange Is well on upland, in valley, or on hillside? Valley Drilling or Boring Firm Maurice Carger Address Licence Number Name of Driller or Borer Address Date Maurice Cargo Maurice Cargo	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	21
For what purpose(s) is the water to be used? New Kause Is well on upland, in valley, or on hillside? Welley Drilling or Boring Firm Maurice Cayer Address Licence Number Name of Driller or Borer Address Date Maurice (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.	20- 31
For what purpose(s) is the water to be used? New hause Is well on upland, in valley, or on hillside? Welley Drilling or Boring Firm Maurice Cayer Address Address Licence Number Name of Driller or Borer Address Date Maurice (Signature of Licensed Drilling or Boring Contractor) Form 7 5M 60-20912	Location of Well In diagram below show distances of well from road and lot line. Indicate north by arrow.	20- 31

ater management in	Ontario 1. PRINT ONLY IN SPACES 2. CHECK CORRECT BO	S PROVIDED	1510/68 MUNICIP. CON	&N
UNTY OR DISTRICT	1	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAN	CON., BLOCK, TRACT, SURVEY, ETC.	22 LOT 2
Carl	lan	S Agood	DATE CO	OMPLETED 48-53
		HING RC.	ELEVATION RC. BASIN CODE	2 MO Dere yr
		01121/100 4		
	LOG	OF OVERBURDEN AND BEDROO	CK MATERIALS (SEE INSTRUCTIONS)	
ENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM TO
grown	sond 1	mall stone		0 80
grey	Aend		1	10 8
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1) 19940	699/2 008020	91110084209111110	10872/15 11111111111	
	14 15 2t			
1 WATE	R RECORD 51	CASING & OPEN HOLE	RECORD SIZE(S) OF OPENING 31-33 DIAM	METER 34-38 LENGTH
AT - FEET		IDE MATERIAL MALL DEP THICKNESS TROM	TH - FEET	INCHES DEPTH TO TOP 41-4
28 2 20	RESH 3 L SULPHUR	10-11 1 STEEL 12 2 GALVANIZED	0087 S	FEET
1 🗆 f 2 🗌 5	RESH 3 I SULPHUR 19	3 CONCRETE 4 OPEN HOLE 24 17.18	SHE 61 PLUGGING & SEA	LING RECOR
20-23 1 🗍 F 2 🗋 5	RESH 3 🗆 SULPHUR	2 GALVANIZED	FROM TO MATERIAL AN	D TYPE (CEMENT GROUT LEAD PACKER, ETC
25-28 1 🗌 F 2 🗋 9	RESH 3 SULPHUR 29	4 OPEN HOLE 24-25 1 □ STEEL 26	27-30 19-21 22-25	
30-33 I 🗌 F		2 GALVANIZED		
			26-29 30-33 80	
PUMPING TEST METHO	ALTY 4 MINERAL		26-29 30-33 80	
			LOCATION OF WE	
2 - 5	ALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE 11-14 DURATION OF PUMPING GPM. 15-16 OF MINS. HOURS OF MINS. 5 DURING 2 PUMPING 2 RECOVERY	26-29 30-33 80 LOCATION OF WE IN DIAGRAM BELOW SHOW DISTANCES OF WELL FI LOT LINE. INDICATE NORTH BY ARROW.	LL ROM ROAD AND
2 - 5 PUMPING TEST METHO 1 - PUMP STATIC LEVEL 19-21 0 2 5	ALTY 4 MINERAL	3       CONCRETE         4       OPEN HOLE         11-14       DURATION OF PUMPING          15-16          MUNES          15-16          000000000000000000000000000000000000	26-29 30-33 80 LOCATION OF WE IN DIAGRAM BELOW SHOW DISTANCES OF WELL FIL LOT LINE. INDICATE NORTH BY ARROW. Meath	ROM ROAD AND
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		SALTY 4	I MINERAL I	4	A D OPEN HOL	E		0026	61	PLUGGI		<u>JERE</u> ;		
	20-23 1	FRESH 3	MINERAL 24 SULPHUR	17-18 1	1 CONCRETE	.E 19 ED		20-23	DEPTH FROI	H SET AT - FEET M TO 10-13 14	MATERI	IAL AND TYP	PE (CE LEAD	MENT GRO PACKER, E
	20-23 1 [] 2 [] 25-28 1 [] 2 []	FRESH 3 FRESH 3 FRESH 3 FRESH 3 SALTY 4	] MINERAL 24 3 MINERAL 3 SULPHUR 29 3 MINERAL	17-18 1 2 3 24-25 1	I         OPEN HOL           I         STEEL           I         GALVANIZI           GALVANIZI         GALVANIZI           GALVANIZ	LE 19 ED ED E LE 26		20-23	DEPTI FROI	H         SET         AT         FEET           M         TO         10-13         14           18-21         22-         22-	-17 -25 A	IAL AND TYP	PE (CE LEAD	MENT GRO PACKER,
	20-23 1 [ 2 ] 25-28 1 [ 2 ] 20-23 2 ] 20-23 1 [ 2 ] 2 ]	SALTY     4       FRESH     3       SALTY     4       FRESH     3       SALTY     4       FRESH     3       SALTY     4	J MINERAL 24 MINERAL 3 SULPHUR 3 MINERAL 3 SULPHUR 3 SULPHUR 3 MINERAL		I     OPEN HOL       I     STEEL       I     GALVANIZI       I     CONCRETE       I     OPEN HOL       I     STEEL       I     GALVANIZI       I     STEEL       I     GALVANIZI       I     OPEN HOL	.E 19 ED ED E		20-23	EPTH FROI	H         SET         AT         FEET           M         TO         10-13         14           18-21         22-         26-29         30	MATERI -17 -25 -33 80	IAL AND TYP	PE (CE LEAD	MENT GRO PACKER, 1
	20-23 1 2 2 2 2 2 2 5 - 28 1 2 2 2 5 - 28 1 2 2 2 5 - 28 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY         4           FRESH         3           SALTY         4           FRESH         3           SALTY         4           FRESH         3           FRESH         3           SALTY         4           FRESH         3           SALTY         4	MINERAL SULPHUR 24 MINERAL SULPHUR 29 MINERAL SULPHUR 34 MINERAL O PUMPING RAT	E 1	OPEN HOL	.E 19 ED 26 ED E E E OF PUMPING の PUMPING		20-23	61 DEPTH FRO	H         SET         AT         FEET           M         TO         10-13         14           18-21         22-29         30           26-29         30         30	-17 -17 -25 -33 80 -33 -30 -30 -00 OF	WELL		MENT GRO PACKER, I
71	20-23 1 2 2 25-28 1 2 2 30-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH 3 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FOD 2 VATER LEVEL	MINERAL SULPHUR 24 MINERAL SULPHUR 29 MINERAL SULPHUR 34 MINERAL 10 PUMPING RAT 25	E 1	COPEN HOL     CONCRETE     CONCRETE     OPEN HOL     STEEL     CONCRETE     OPEN HOL     STEEL     GALVANIZI     GONCRETE     OPEN HOL     OPEN	LE 19 26 ED 26 ED 26 ED 26 ED 26 ED 26 ED 26 IS-16 0 ( HOURS 0 ( IS-16 0 ( IS	217-18 MINS	20-23 27-30	DIAGRAM E	H         SET         AT         FEET           M         TO         10-13         14           18-21         22-         26-29         30           LOCATIC         SELOW SHOW DIDICATE NORTH         10-10         10-10	MATERI 17 25 4 33 80 DN OF STANCES OF BY ARROW.	WELL		MENT GRO PACKER, I
.EST (12	20-23 1 2 25-28 1 2 30-33 1 2 5 UMPING TEST MET 1 PUMP STATIC LEVEL 1 7 19-21	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH 3 F	MINERAL           SULPHUR           MINERAL           SULPHUR           MINERAL           SULPHUR           MINERAL           SULPHUR           MINERAL           SULPHUR           PUMPING           25           WATE           24           15           24	E 1 C LEVELS DUI C LEVELS C LEVELS C LEVELS C LEVELS	a         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         OURATION           GPM.         O           GPM.         O           GPS-31         45 MIN	LE 19 26 ED 26 ED 26 ED 5-16 MOURS 15-16 10 PUMPING 20 RECOVER 10 20 60 M	217-18 MINS Y 11NUTES 35-37	20-23 27-30	DIAGRAM E	H         SET         AT         FEET           M         TO         10-13         14           18-21         22-         26-         29         30           LOCATIC         SELOW SHOW DI-         DICATE NORTH I         10	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARDAD AND	MENT GRO PACKER, I
G TEST (12	20-23 25-28 1 2 2 30-33 1 2 2 30-33 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH 3 FRESH 3 SALTY 4 FRESH 3 FRESH 3 F	MINERAL           SULPHUR           MINERAL           MINERAL           SULPHUR           SULPHUR           MINERAL           SULPHUR           SULPHUR           MINERAL           SULPHUR	E 1 CR LEVELS DUF CR LEVELS DUF S 30 MINUTE 28 24-25 2 24-25 2 3 3 3 0 24-25 2 3 4 2 2 3 3 0 1 2 2 3 3 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1	a         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         OURATION           GPM         O           GPM         O           SP31         45 MIN           FEET         O           WATER AT	LE 19 26 ED 26 ED 26 ED 26 ED 15-16 0 ( 10 PUMPING 15-16 10 ( 10 PUMPING 20 COVER 10 PUMPING 10 PUMPING 10 PUMPING 20 COVER 10 PUMPING 10	2 17-18 MINS Y FEET 42	20-23 20-23 27-30	DIAGRAM E	H         SET         AT         FEET           M         TO         10-13         14           18-21         22-2         26-29         30           LOCATIC         SELOW SHOW DI:         DICATE NORTH         DICATE NORTH	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARCAD AND	MENT GRO
PING TEST (12)	20-23 2 ] 2 ] 2 ] 2 ] 2 ] 2 ] 2 ] 30-33 1 ] 2 ] 2 ] 2 ] 2 ] 2 ] 2 ] 2 ] 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH	MINERAL           SULPHUR           MINERAL           MINERAL           10           PUMPING RAT           25           WATE           24           15           25           WATE           26           17           18           MINERAL	E 1 C LEVELS DUF S 1 30 MINUTE S 24-25 2 2 2 2 2 2 2 2 2 2 2 2 2	COPEN HOL           CONCRETE           <	LE 19 26 26 ED 20 20 20 20 20 20 20 20 20 20	2 17-18 MINS Y FEET 42 CLOUDY A5 40	20-23 20-23 27-30		H         SET         AT         FEET           M         TO         10-13         14           18-21         22-2         26-29         30           LOCATIC         SELOW SHOW DI         DICATE NORTH         10	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	AROAD AND	MENT GRO
PUMPING TEST 11	20-23 2 2 2 2 2 30-33 1 2 2 30-33 1 2 2 7 1 2 7 1 2 2 7 1 2 2 7 1 2 2 7 1 2 2 7 1 2 2 7 1 2 2 7 1 2 7 7 7 7 7 7 7 7 7 7 7 7 7	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH 3 FRES	MINERAL SULPHUR SULPHU	E 1 24-25 24-25 2 24-25 2 2 2 2 2 2 2 2 2 2 2 2 2	COPEN HOL           COPEN HOL           CONCRETE           CONCRETE           OPEN HOL           SECONCETE           CONCRETE	LE 19 26 26 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 20 ED 20 ED 20 20 ED 20 20 ED ED ED ED ED ED ED ED ED ED	2 17-18 MINS Y 11NUTES 35-37 F FEET 42 CLOUDY 46-49 GPM,	20-23 27-30 27-30	DIAGRAM E T LINE. IN	H SET AT - FEET       M     TO       10-13     14       18-21     22       26-29     30       LOCATIC       BELOW SHOW DI       DICATE NORTH       J       18	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	AROAD AND	MENT GRO
PUMPING TEST [12]	20-23 2 2 2 2 2 2 2 3 0-33 1 2 2 3 0-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH	MINERAL SULPHUR SULPHU	E 1 C LEVELS DUF S LEVELS DUF S SET AT D 4 C LEVELS DUF S SET AT D 5 S SET AT D 6 C LEVELS DUF S SET AT D 6 C LEVELS DUF S SET AT D 6 C LEVELS DUF S SET AT D 7 S SET AT D 7 S SET AT D 7 S SET AT S SET AT	I         OPEN HOL           I         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1114         DURATION           GPM         O           GPA         T	LE 19 20 20 20 20 20 20 20 20 20 20	2 17-18 MINS Y 11NUTES 35-37 FEET 42 CLOUDY 46-49 GPM,	20-23 27-30 27-30	DIAGRAM E	H SET AT - FEET       M     TO       10-13     14       18-21     22-       26-29     30       LOCATIC       BELOW SHOW DI       DICATE NORTH       18       18       18       18       18       18       18       19	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARDAD AND	MENT GRO PACKER, I
PUMPING TEST (12	20-23 2 2 2 2 2 2 2 2 3 0-33 1 2 2 3 0-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH	MINERAL SULPHUR SULPHU	24-25       24-25       2       3       6       2       3       9       4       24-25       2       2       2       3       3       0       4       2       3       4       2       3       4       3       5       6       7	a         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         DURATION           GPM         O	LE 19 26 26 ED 26 ED 26 ED 26 ED 26 ED 26 ED 15-16 20 CF PUMPING 15-16 20 CF PUMPING 20 ED ED 20 ED ED 20 ED ED 20 ED ED ED ED ED ED ED ED ED ED	2 17-18 MINS Y UNUTES 35-37 F FEET 42 CLOUDY 46-49 GPM, SUPPLY	20-23 27-30	DIAGRAM E	H SET AT - FEET       M     TO       10-13     14       18-21     22-       26-29     30       LOCATIC       SELOW SHOW DI:       DICATE NORTH       18       18       18       18       18       18       18       19	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARDAD AND	MENT GRO PACKER, I
PUMPING TEST 12	20-23 2 2 2 2 2 2 2 2 3 0-33 1 2 2 3 0-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH 3 F	MINERAL SULPHUR SULPHU	24-25       24-25       2       2       30       10       2       2       2       30       10       2       2       2       30       10       2       30       10       2       30       10       2       30       10       2       30       11       2       30       11       2       30       11       12       13       14       14       15       16       17       16       17	I         OPEN HOL           I         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1114         DURATION           GPM         O           GPA         T	LE  19  26  26  ED  26  ED  26  ED  26  ED  26  15-16  2  10  20  1  20   20  1  20   20   20  20	2 17-18 MINS Y UNUTES 35-37 F FEET 42 CLOUDY 46-49 GPM, SUPPLY	20-23 27-30	DIAGRAM E	+ SET AT - FEET M TO 10-13 14 18-21 22- 26-29 30 LOCATIC SELOW SHOW DI DICATE NORTH I 18 18 18 18 10 10 10 10 10 10 10 10 10 10	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARDAD AND	MENT GRO PACKER, I
PUMPING TEST 11	20-23 2 2 2 2 2 30-33 1 2 2 30-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH	MINERAL SULPHUR SULPHU	24-25           24-25           2           2           3           0           2           30           NINUTE           2           30           30           2           30           10           2           30           30           10           2           30           10           2           30           10           2           2           30           11           2           2           30           11           2           30           11           2           30           11           12           12           13           14           15           15           16           17           17           17           17           17           17           1	COPEN HOL           I STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           GPM           0 OPEN HOL           GPAL           GES           0 OPEN HOL           GPUMPING           GPUMPING <td>LE 19 26 26 ED 26 ED 26 ED 26 ED 26 ED 27 15-16 0 (1000) 20 RECOVER 1000R 32-34 60 M 21 RECOVER 1000 FEST END OF TEST LEAR 2 2 100 20 CONTRACTOR 1000 20 CONTRACTOR 10000 20 CONTRACTOR 10000 20 CONTRACTOR 100000 20 CONTRACTOR 10000000 20 CONTRACTO</td> <td>2 17-18 MINS Y UNUTES 35-37 F FEET 42 CLOUDY 46-49 GPM. SUPPLY</td> <td>20-23 27-30 IN LO</td> <td>DIAGRAM E</td> <td>H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30   LOCATIC SELOW SHOW DI: DICATE NORTH I J</td> <td>MATERI 17 17 17 17 17 17 17 17 17 17</td> <td>WELL WELL</td> <td>ARDAD AND</td> <td>MENT GRO</td>	LE 19 26 26 ED 26 ED 26 ED 26 ED 26 ED 27 15-16 0 (1000) 20 RECOVER 1000R 32-34 60 M 21 RECOVER 1000 FEST END OF TEST LEAR 2 2 100 20 CONTRACTOR 1000 20 CONTRACTOR 10000 20 CONTRACTOR 10000 20 CONTRACTOR 100000 20 CONTRACTOR 10000000 20 CONTRACTO	2 17-18 MINS Y UNUTES 35-37 F FEET 42 CLOUDY 46-49 GPM. SUPPLY	20-23 27-30 IN LO	DIAGRAM E	H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30   LOCATIC SELOW SHOW DI: DICATE NORTH I J	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARDAD AND	MENT GRO
PUMPING TEST [1]	20-23 1 2 2 25-28 1 2 2 30-33 1 2 2 30-33 1 2 2 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRESH 3 FRESH 3 F	MINERAL SULPHUR SULPHU	17-18       24-25       2       2       2       2       2       2       2       2       30       MUNUTE       2       30       30       30       4       2       30       30       4       30       4       30       4       30       4       30       4       30       5       5       1       6       1       7       9       4       4       5       1       5       1       6       1       7       9       8       1       10       4       10       10       11       12       12       13       14       14       15       16       17       17       18       10       10       10	I OPEN HOL           I STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           1 STEEL           2 GALVANIZI           3 CONCRETE           4 OPEN HOL           GPM           1-14           OURATION           GPM           GPM           Jass           YATER AT           PEET           Jass           ABANDONED,           ABANDONED,           ABANDONED,           ABANDONED,           ABANDONED,           MMERCIAL           NICIPAL           SUIC SUPPLY           DLING OR AIR           9 S	LE 19 ED 26 ED 26 ED 26 ED 26 ED 26 ED 27 FUMPING 15-16 () () HOURS 20 () () () () () () () () () () () () ()	2 17-18 MINS Y UNUTES 35-37 F FEET 42 CLOUDY 46-49 GPM, SUPPLY	20-23 27-30 IN LO	DIAGRAM E	H SET AT - FEET M TO 10-13 14 18-21 22- 26-29 30 LOCATIC SELOW SHOW DI DICATE NORTH I 18 18 18 18 10 10 14 10 14 14 10 14 10 14 10 14 10 14 10 14 10 14 10 10 13 14 14 10 14 10 10 10 10 10 10 10 10 10 10	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ARDAD AND	MENT GRO
PUMPING TEST 1	20-23 1 2 2 25-28 1 2 2 30-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 SALTY 4 FRESH 3 SALTY 4 SALTY 4 SAL	MINERAL MINERAL SULPHUR SULPHU	24-25       24-25       2       2       2       30       17-18       2       30       24-25       2       4       2       2       30       30       30       10       2       30       11       2       30       11       2       30       11       2       30       11       2       30       11       12       30       12       30       11       12       2       30       11       12       30       11       12       2       2       2       30       11       12       12       12       12       13       14       14       15       15       16       17       17       18       10       10    <	a         DPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         DURATION           GEN         45 MIN           FEET         10           GEN         45 MIN           FEET         12           GEN         RECOMMED,           ABANDONED,         ABANDONED,           MMERCIAL         NICIPAL           SUIC SUPPLY         DLING OR AIR           9         -           6         BORII           7         DUNT	LE  19  26  26  ED  26  ED  26  ED  26  ED  26  ED  26  ED  27  26  CF  20  F	2 17-18 MINS Y UNUTES 35-37 F FEET 42 CLOUDY 46-49 GPM, SUPPLY	20-23 27-30	DIAGRAM E	H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30   LOCATIC BELOW SHOW DI: DICATE NORTH I J	MATERI 17 17 17 17 17 17 17 17 17 17	WELL WELL	ATOAL AND	MENT GRO PACKER, I
PUMPING TEST 1	20-23 1 2 2 25-28 1 2 2 30-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 SALTY 4 SAL	J MINERAL J MINERAL SULPHUR 24 MINERAL SULPHUR 29 MINERAL SULPHUR 34 8 SULPHUR 34 8 MINERAL SULPHUR 34 8 MINERAL S	17-18       24-25       2       2       2       2       2       30       MUNUTE       2       30       30       MUNUTE       2       30       30       4       2       30       10       4       2       30       10       4       30       11       2       30       11       12       30       11       12       30       11       12       30       11       12       30       11       12       30       12       30       12       30       12       30       13       14       14       15       15       16       17       18       10       10       10       10       11       12       12       12 <td>a         DPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         DURATION           GPM         Ø           9:31         TIC           FEET         1           9:345         RECOMMED           ABANDONED,         ABANDONED,           UNFINISHED         MMERCIAL           MICIPAL         SULING OR AIR           9         S           9         S           9         DIAM</td> <td>LE  19  26  26  26  ED  26  ED  26  ED  26  ED  26  ED  26  ED  27  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  1</td> <td>2 17-18 MINS 35-37 FEET 42 CLOUDY 46-49 GPM. SUPPLY</td> <td>20-23 27-30</td> <td>DIAGRAM E</td> <td>H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30   LOCATIC SELOW SHOW DI: DICATE NORTH I J</td> <td>MATERI IT7 A A A A A A A A A A A A A</td> <td>WELL WELL</td> <td>ATOAL AND</td> <td>MENT GRO PACKER, I</td>	a         DPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         DURATION           GPM         Ø           9:31         TIC           FEET         1           9:345         RECOMMED           ABANDONED,         ABANDONED,           UNFINISHED         MMERCIAL           MICIPAL         SULING OR AIR           9         S           9         S           9         DIAM	LE  19  26  26  26  ED  26  ED  26  ED  26  ED  26  ED  26  ED  27  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  20  10  1	2 17-18 MINS 35-37 FEET 42 CLOUDY 46-49 GPM. SUPPLY	20-23 27-30	DIAGRAM E	H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30   LOCATIC SELOW SHOW DI: DICATE NORTH I J	MATERI IT7 A A A A A A A A A A A A A	WELL WELL	ATOAL AND	MENT GRO PACKER, I
PUMPING TEST 1	20-23 1 2 2 25-28 1 2 2 2 2 2 30-33 1 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 SALTY 4 SAL	MINERAL MINERAL SULPHUR SULPHU	17-18       24-25       1       2       2       2       2       2       2       30       MINUTE       2       30       30       1       2       30       1       2       30       1       2       30       1       2       30       1       2       30       1       2       30       1       1       2       30       1       2       30       1       1       2       2       30       1	a         DPEN HOL           a         STEEL           a         CONCRETE           a         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1         STEEL           2         GALVANIZI           3         CONCRETE           4         OPEN HOL           1-14         DURATION           GPM         OPEN HOL           ITION         OPEN HOL           GPM         OPEN HOL           ITION         OPEN HOL           ABANDONED,         OPEN HOL           ABANDONED,         OPEN HOL <td>LE  19  26  26  26  26  26  26  26  26  26  2</td> <td>2 17-18 MINS 35-37 FEET 42 CLOUDY 46-49 GPM, SUPPLY</td> <td>DATA</td> <td>DIAGRAM E T LINE. IN</td> <td>H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30         LOCATIC       SELOW SHOW DI:       DICATE NORTH</td> <td>MATERI MATERI 17 A 225 A DN OF STANCES OF BY ARROW. STANCES OF STANCES OF STANCES</td> <td>WELL ELL ESTA A A ELL ESTA A A E E RECEIVED</td> <td>ATOAL AND</td> <td>MENT GRO PACKER, I</td>	LE  19  26  26  26  26  26  26  26  26  26  2	2 17-18 MINS 35-37 FEET 42 CLOUDY 46-49 GPM, SUPPLY	DATA	DIAGRAM E T LINE. IN	H     SET     AT     - FEET       M     TO       10-13     14       18-21     22-       26-29     30         LOCATIC       SELOW SHOW DI:       DICATE NORTH	MATERI MATERI 17 A 225 A DN OF STANCES OF BY ARROW. STANCES OF STANCES OF STANCES	WELL ELL ESTA A A ELL ESTA A A E E RECEIVED	ATOAL AND	MENT GRO PACKER, I
DR PUMPING TEST 1	20-23 1 2 2 25-28 1 2 2 30-33 1 2 2 2 2 2 5 2 2 5 2 2 2 2 2 2 2 2 2 2 2 2 2	SALTY 4 FRESH 3 SALTY 4 FRE	MINERAL SULPHUR SULPHU	Image: 1 to 1 t	Image: Second	LE	UIT-18 MINS 35-37 FEET 42 CLOUDY 46-49 GPM, GPM, SUPPLY	DRILLERS REM	DIAGRAM E T LINE. IN	H       SET       AT       - FEET         M       TO       10-13       14         18-21       22-29       30         LOCATIC       SELOW SHOW DI:       DICATE NORTH         DICATE NORTH       Image: Contractor Selow Show DI:       Image: Contractor Selow Show DI:         18       Image: Contractor Selow Show DI:       Image: Contractor Selow Show DI:	59-62 DATE	WELL ELL ESTA A Contraction E RECEIVED 1	ATOAL AND ATOAL ATOAL AND ATOAL ATOAL AND ATOAL ATOAL AT	MENT GRO PACKER. 1
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0043 1	SALTY A MINERAL	10-11 1 DSTE 2 GAL 3 CON	LVANIZED 18	8 6	0 630		PLUGGIN	G & SEALING	RECORD
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71 PUMPING TEST MET	THOD 10 PUMPING RA	11-14 DUR <b>1</b> GPM	ATION OF PUMPING	17-18 		<u></u>	LOCATION C	F WELL	3612
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2	5 15-18 1 G FRE		05	GALVANIZED CONCRETE	0	24	61	PLUGGIN	G & SEAL	ING REC	CORD
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	RECOMMENDED PUMP TY	GPM PE RECOMMENT PUMP	DED 43-4	5 RECOMMENDED PUMPING	46-49	4		<b>8</b>	. 1	WY	21
╸	SO-53	DEEP SETTING	SPECIFIC CAPACITY		0			SREED	+		
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15-18 1	FRESH 3	MINERAL     SULPHUR     19     MUNECAL	<b>61</b> <sup>0</sup>	11 STEEL 2 GALVA 3 CONCE 4 CONCE	12 NIZED RETE HOLE	0	0028 <sup>3-16</sup>	0 0	PLU	GGING	G & SEA	LING REC	CORD
15-18 1 2 20-23 1	G FRESH 3 SALTY 4	☐ MINERAL ☐ SULPHUR <sup>19</sup> ☐ MINERAL ☐ SULPHUR <sup>24</sup>	06 17-	11         STEEL           2         GALVA           3         CONCE           4         QBEN-           18         STEEL           2         GALVA	12 INIZED RETE HOLE 19 ANIZED	0		61 DEP	PLU( TH SET AT - FEET DM TO	GING	<b>3 &amp; SEA</b> MATERIAL AN	LING REC	FEE CORD EEMENT GROUT D PACKER, ETC
15-18 1 2 20-23 1 2 25-28 ,	FRESH     3       FRESH     3       SALTY     4       FRESH     3       SALTY     4       FRESH     3       FRESH     3	MINERAL           SULPHUR         19           MINERAL           SULPHUR         24           MINERAL           SULPHUR         24           MINERAL           SULPHUR         29	<b>6</b> 06 17-	11 STEEL 2 GALVA 3 CONCE 4 GOBEN- 18 1 STEEL 2 GALVA 3 CONCE 4 CONCE	12 NIZED RETE 19 NIZED RETE HOLE	21	00 28 <sup>3-16</sup>	G1 DEP FRC	PLU( TH SET AT - FEET M TO 10-13 14 19-21 27	3GIN (	<b>3 &amp; SEA</b> material an	LING RE(	FEE CORD EEMENT GROUT D PACKER. ETC
15-18 1 2 20-23 1 2 25-26 1 2 20-27	G FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 SALTY 4	MINERAL     SULPHUR     S	24- 80	11         Steel           2         GALVA           3         CONCI           4         OPEN           18         1           2         GALVA           3         CONCI           4         OPEN           2         GALVA           3         CONCI           4         OPEN           25         1           2         GALVA	12 I.888 RETE HOLE RETE HOLE 26 NNIZED OFFE	21	00 28 <sup>3-16</sup>	G1 DEP	PLU( TH SET AT - FEET M TO 10-13 14 16-21 22 26-29 30	GGIN( -17 -25 -33 80	<b>3 &amp; SEA</b> material an	LING REC	FEE CORD EEMENT GROUT
15-18 1 2 20-23 1 25-28 1 2 30-33 1 2 2 30-33 1 2	SALTY     -       FRESH     3       SALTY     4       FRESH     3       SALTY     4       FRESH     3       SALTY     4       FRESH     3       SALTY     4       SALTY     4       SALTY     4       SALTY     4	MINERAL         SULPHUR       19         MINERAL         SULPHUR       24         MINERAL         SULPHUR       24         MINERAL         SULPHUR       24         MINERAL         SULPHUR       34         MINERAL         MINERAL	2 6 17- 24-	11         STEEL           2         GALVA           3         CONCI           4         DEEM-           18         1           1         STEEL           2         GALVA           3         CONCI           4         OPEN           25         I           1         STEEL           2         GALVA           3         CONCI           4         OPEN	12 NIZED RETE HOLE 19 NIZED RETE HOLE 26 ANIZED RETE HOLE	21	00 28 <sup>3-16</sup>	61 DEP FRC	PLU( TH SET AT - FEET M TO 10-13 14 18-21 22 26-29 30	GGIN( -17 -25 -33 80	<b>3 &amp; SEA</b> MATERIAL AN	LING REC	FEE CORD :EMENT GROUT D PACKER. ETC
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 7 1 PUMP NG TEST M	GRESH 3 GRESH 3 GRESH 3 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4	MINERAL           SULPHUR         19           MINERAL           SULPHUR         24           MINERAL           SULPHUR         24           MINERAL           SULPHUR         24           MINERAL           SULPHUR         34           MINERAL           JUPHUR         34           MINERAL           10         PUMPING RAT	26 17- 24-	11         STEEL           2         GALVA           3         CONCI           4        QREAN-           1         STEEL           2         GALVA           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           2        GALVA           3        GONCI           4        QREAN-           1        STEEL           2        GALVA           3        GONCI           4        QPEN           114        QURAN	12 III 188 INIZED RETE HOLE 26 ANIZED RETE HOLE 15-16	21	00 28 <sup>3-16</sup> 20-23 00 44 2750	61 DEP FRC	PLU(           IH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATION	GGIN( -17 -25 -33 80 DN O	G & SEA MATERIAL AN	LING REC	FEE CORD :ENENT GROUT D PACKER, ETC
15-18 1 2 20-23 1 25-28 1 2 30-33 1 2 PUMP NG TEST M 1 PUMP STATIC	GRESH 3 GRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 FRESH 3 SALTY 4 SALTY	MINERAL         SULPHUR       19         MINERAL         SULPHUR       24         MINERAL         SULPHUR       29         MINERAL         SULPHUR       34         MINERAL         10       PUMPING RAL         R       25         WATER		11         STEEL           2         GALVA           3         CONCI           4        QEEA-           1         STEEL           2         GALVA           3         CONCI           4        QEEA-           3         CONCI           4        QEEA-           3         CONCI           4        QEA-           3         CONCI           4        QEA-           2         GALVA           3         CONCI           4        QPEN           114         DURAT           GPM	12 INIZED RETE HOLE 26 ANIZED RETE HOLE 15-16 1 PUMPING 1 PUMPING	0 2 17-18 MINS G	DO 28 <sup>3-16</sup> 20-23 00 44 27/30		PLU(           TH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATIONEL         CONTOCATE NORT	GGIN( 17 -25 -33 80 DN O STANCE H BY AI	G & SEA MATERIAL AN D F WEL S OF WELL RROW.	LING RE(	FEE CORD EMENT GROUT D PACKER. ETC
15-18 1 2 20-23 1 25-28 1 2 30-33 1 2 71 PUMP NG TEST M 1 PUMP STATIC LEVEL 19	SALIT         -           FRESH         3           SALIY         4           FRESH         3           SALTY         4           WATER         END OF           PUMPING         21	MINERAL         SULPHUR       19         MINERAL       14         SULPHUR       24         MINERAL       29         MINERAL       29         MINERAL       34         SULPHUR       34         JUPHUR       34         MINERAL       34         UNINERAL       34         SULPHUR       34         WATER       34         10       PUMPING RAT         R       25         WATER       34         12-224       15 MINUTE	TE 24- 24- 24- 24- 24- 24- 24- 24-	11         STEEL           2         GALVA           3         CONCH           4         DEPEN-           2         GALVA           3         CONCH           4         DEPEN-           2         GALVA           3         CONCH           4         DEPEN           2         GALVA           3         CONCH           4         DEPEN           2         GALVA           4         OPEN           11-14         DURAT           GPM         DEPEN           IRING         NUTES           45         29-31	12     1888       NIZED     19       NIZED     19       RETE     19       HOLE     26       NNIZED     15       IDN OF PUMPING     15-16       100 of PUMPING     15-17       11 Mours     20       12 MINUES     32-34	0 2 17-18 MINS G RT 35-37	DO 28 <sup>3-16</sup>		PLU(           TH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATION         DOCATION           Montaneous         NORT	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	<b>G &amp; SEA</b> MATERIAL AN <b>D F WEL</b> IS OF WELL RROW.	LING RE( ID TYPE LEA	FEE CORD EMENT GROUT D PACKER, ETC
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 71 PUMP NG TEST M 1 PUMP STATIC LEVEL 19 12 FI	SALIT       -         FRESH       3         SALTY       4         Mattheway       5         SALTY       4         Mattheway       6         Value       5         WATER       12         WATER       12         Value       2         BAILE       2         WATER       12         Value       2         SALTY       2         Value       12         Value       2         Value       2         Value <td>MINERAL         SULPHUR       19         MINERAL       14         SULPHUR       24         MINERAL       34         10       PUMPING RAT         R       25         EL       25         WATER       26         FEET       0 255         PIND MATAT</td> <td>TE 26 17- 24- 40 17- 24- 17- 12- 17- 24- 10- 17- 17- 24- 10- 17- 17- 17- 17- 17- 17- 17- 17</td> <td>11         Steel           2         GALVA           3         CONCI           4         DERMO           2         GALVA           3         CONCI           4         DERMO           2         GALVA           3         CONCI           4         DERMO           2         GALVA           3         CONCI           2         GALVA           3         CONCI           4         OPEN           1-14         DURAT           GPM         DERMO           IRING         45           VATES         29-31           FEET         DERMO</td> <td>12 NIZED RETE HOLE 19 NIZED RETE HOLE 26 NIZED RETE HOLE 10N OF PUMPING 10N OF PUMPING 10N F PUMP</td> <td>0 2 17-18 0 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 10 10 10 10 10 10 10 10 10 10 10 10</td> <td>DO 28<sup>3-16</sup></td> <td></td> <td>PLU(           TH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATION           HOTCATE NORT</td> <td>GGIN( 17 25 33 80 DN O STANCE H BY AI</td> <td>3 &amp; SEA MATERIAL AN DF WEL S OF WELL RROW.</td> <td>LING RE(</td> <td>EMENT GROUT</td>	MINERAL         SULPHUR       19         MINERAL       14         SULPHUR       24         MINERAL       34         10       PUMPING RAT         R       25         EL       25         WATER       26         FEET       0 255         PIND MATAT	TE 26 17- 24- 40 17- 24- 17- 12- 17- 24- 10- 17- 17- 24- 10- 17- 17- 17- 17- 17- 17- 17- 17	11         Steel           2         GALVA           3         CONCI           4         DERMO           2         GALVA           3         CONCI           4         DERMO           2         GALVA           3         CONCI           4         DERMO           2         GALVA           3         CONCI           2         GALVA           3         CONCI           4         OPEN           1-14         DURAT           GPM         DERMO           IRING         45           VATES         29-31           FEET         DERMO	12 NIZED RETE HOLE 19 NIZED RETE HOLE 26 NIZED RETE HOLE 10N OF PUMPING 10N OF PUMPING 10N F PUMP	0 2 17-18 0 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 17-18 10 10 10 10 10 10 10 10 10 10 10 10 10	DO 28 <sup>3-16</sup>		PLU(           TH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATION           HOTCATE NORT	GGIN( 17 25 33 80 DN O STANCE H BY AI	3 & SEA MATERIAL AN DF WEL S OF WELL RROW.	LING RE(	EMENT GROUT
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 71 PUMPNG TEST M 5 71 PUMPNG TEST M 2 71 PUMPNG TEST M 1 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	SALIY       -         FRESH       3         SALTY       4         Method       2         BAILE       2         WATER       Leve         PUMPING       2         Seet       225	MINERAL         SULPHUR       19         MINERAL       14         SULPHUR       24         MINERAL       24         MINERAL       29         MINERAL       29         MINERAL       24         MINERAL       29         MINERAL       24         MINERAL       34         BULPHUR       34         MINERAL       25         WATER       26         FEEL       25         WATER       26         FEET       25         QZP       F         SB-41       PUMP INTAKI	TE 26 17- 24- 80 24- 80 24- 80 25 24- 80 25 25 25 25 25 25 25 25 25 25	11         STEEL           2         GALVA           3         CONCI           4        QREAN-           18         1           2         GALVA           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QPEN           1         STEEL           2         GALV3           3         CONCI           4	12     188       NIZED     19       NIZED     19       RETE     10       HOLE     26       ANIZED     1       RETE     100 of PUMPING       15-16     1       18-16     9       MINUTES     32-34       25     FEET       24     7       25     FEET       26     21       27     22-34	D 2 17-18 MINU G RT MINU S 5 5 5 5 5 5 5 5 5 5 5 5 5 7 2 5 7 2 5 7 2 1 7 1 8 1 7 1 8 1 7 1 8 1 7 1 7 1 8 1 7 1 7	DO 28 <sup>3-16</sup>		PLU(           TH SET AT - FEET           M         TO           10-13         14           16-21         22           26-29         30           LOCATION         DIMENSION DI           INDICATE NORT         NORT	GGIN( 17 -25 33 80 DN O STANCE H BY AI	<b>G &amp; SEA</b> MATERIAL AN <b>OF WEL</b> S OF WELL RROW.	LING REC	CORD EMENT GROUT D PACKER. ETC
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 30-33 1 2 10 PUMPING TEST M 10 PUMPING TEST M 10 PUM	GALIT     GALIT     GALIT     FRESH 3     SALTY     GALITY	Image: mineral         SULPHUR       19         Image: mineral       11         SULPHUR       24         MINERAL       23         SULPHUR       24         MINERAL       24         SULPHUR       24         MINERAL       34         SULPHUR       34         MINERAL       34         MINERAL       34         SULPHUR       34         MINERAL       34         SULPHUR       35         SULPHUR       34         SULPHUR       35         SULPHUR       34         SULPHUR       35 <td>TE 26 17- 24- 80 12- 12- 12- 12- 12- 12- 12- 12-</td> <td>11         STEEL           2         GALVA           3         CONCI           4         OPEN           1         STEEL           2         GALVA           3         CONCI           4         OPEN           3         CONCI           4         OPEN           25         I           1         STEEL           2         GALVA           3         CONC           4         OPEN           1         STEEL           2         GALVA           3         CONC           4         OPEN           1         STEEL           2         GALVA           3         CONC           4         OPEN           1         STEEL           6PM         OPEN           IRING         45           8         WATE           9         WATE           9         A3-45           8         RECO           9         A3-45</td> <td>12     1888       INIZED     19       INIZED     19       RETE     10       HOLE     26       ANIZED     26       ANIZED     15.16       HOLE     18.16       IDN OF PUMPING     18.16       100 F PUMPING     18.16       100 F PUMPING     18.16       100 F PUMPING     18.16       IDN OF FUMPING     19.16       IDN OF FUMPING     19.16</td> <td>D 2 2 17-18</td> <td>DO 28<sup>3-16</sup> 20-23 00 44 27550</td> <td></td> <td>PLU(           IH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATIONEL         DOCATIONEL</td> <td>GGIN( -17 -25 -33 80 DN O STANCE H BY AI</td> <td>G &amp; SEA MATERIAL AN OF WELL S OF WELL RROW.</td> <td></td> <td>D AND</td>	TE 26 17- 24- 80 12- 12- 12- 12- 12- 12- 12- 12-	11         STEEL           2         GALVA           3         CONCI           4         OPEN           1         STEEL           2         GALVA           3         CONCI           4         OPEN           3         CONCI           4         OPEN           25         I           1         STEEL           2         GALVA           3         CONC           4         OPEN           1         STEEL           2         GALVA           3         CONC           4         OPEN           1         STEEL           2         GALVA           3         CONC           4         OPEN           1         STEEL           6PM         OPEN           IRING         45           8         WATE           9         WATE           9         A3-45           8         RECO           9         A3-45	12     1888       INIZED     19       INIZED     19       RETE     10       HOLE     26       ANIZED     26       ANIZED     15.16       HOLE     18.16       IDN OF PUMPING     18.16       100 F PUMPING     18.16       100 F PUMPING     18.16       100 F PUMPING     18.16       IDN OF FUMPING     19.16	D 2 2 17-18	DO 28 <sup>3-16</sup> 20-23 00 44 27550		PLU(           IH SET AT - FEET           DM         TO           10-13         14           18-21         22           26-29         30           LOCATIONEL         DOCATIONEL	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	G & SEA MATERIAL AN OF WELL S OF WELL RROW.		D AND
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 30-33 1 2 71 1 PUMP NG TEST N 1 PUMP NG TEST N 1 PUMP NG TEST N 1 PUMP STATIC LEVEL 19 STATIC LEVEL 19 STATIC STA	SALIT         FRESH         SALTY         FRESH         FRESH         SALTY         AMETHOD         Z         BAILE         WATER         PUMPING         PUNP TYPE         OW         DEEP	MINERAL         SULPHUR       19         MINERAL         SULPHUR       24         MINERAL         SULPHUR       24         MINERAL         SULPHUR       24         MINERAL         SULPHUR       34         MINERAL         SULPHUR       34         MINERAL         10       PUMPING RAI         R       25         EL       25         SA-41       PUMP INTAKI         GPM       RECOMMEND         PUMP SETTING       C	TE COIS LEVELS DU S-24 A0 COIS LEVELS DU S-24 COIS LEVELS DU S-24 COIS LEVELS DU S-24 COIS LEVELS DU S-24 COIS LEVELS DU S-24 COIS	11     STEEL       2     GALVA       3     CONCH       4     OPEN       1-14     DURAT       GPM     GALVA       1-14     DURAT       GPM     GALVA       IFIET     AS       FEET     NUTES       43-45     RECON       PACITY     PACITY	12     188       INIZED     19       INIZED     19       INIZED     26       ANIZED     26       ANIZED     15       IGN OF PUMPING     15-16       1 PUMPING     12-16       1 PUMPING     12-16       1 RECOVER     12-16       NIURS     60       1 RECOVER     100       1 RECOVER     100       1 RATEND OF TEST     100       1 CLEAR     2	D 2 17-18 17-18 MINU 35-35 25 FEET 42 CLOUDY 46-49 GPM	DO 28 <sup>3-16</sup> 20-23 00 44 27/30		PLU( TH SET AT - FEET DM TO 10-13 14 18-21 22 26-29 30 LOCATIO HOTCATE NORT	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	G & SEA		
15-18 1 2 20-23 1 2 25-26 1 2 30-33 1 2 71 PUMP NG TEST M 30-33 1 2 71 PUMP NG TEST M 1 PUMP STATIC LEVEL 19 12 FILOWING GIVE RATE RECOMMENDED ESTALL 50-53 FINAL	SALTY         FRESH         SALTY         SALTY         FRESH         SALTY         MATER         WATER         WATER         WATER         PUMPING         22         BAILY         MATER         PUMPING         22         BAILY         PUMPING         22         PUMPING         22         PUMPTYPE         OW         DEEP	Image: Mineral         SULPHUR         Image: Mineral         SULPHUR         Image: Mineral         SULPHUR         Image: Mineral         SULPHUR         Image: Mineral		11     STEEL       2     GALVA       3     CONCH       4     OPEN       11-14     DURAT       GPM     OPEN       11-14     DURAT       GPM     OPEN       11-14     DURAT       GPM     OPEN       IFRING     MATEI       FEET     NUTES       43-45     RECON       PACITY     PACITY       I     ABANDONI	12     188       RETE     19       HOLE     19       ANIZED     RETE       HOLE     26       ANIZED     RETE       HOLE     10       100 of PUMPING     15-16       100 of PUMPING     100 of PUMPING       1100 of PUMPING     100 of PUMPING       120 of PUMPING     100 of PUMPING <td>D 2 17-18 MINS G A MINU 35-37 25 FEET 42 CLOUDY 46-49 GPM SUPPLY</td> <td>DO 28<sup>3-16</sup> 20-23 00 44 27/30</td> <td>SS 61 DEP FRC L L S S AGAAGA</td> <td>PLU( TH SET AT - FEET DM TO 10-13 14 18-21 22 26-29 30 LOCATION HOTCATE NORT</td> <td>GGIN( -17 -25 -33 80 DN O STANCE H BY AI</td> <td>G &amp; SEA</td> <td></td> <td>D AND</td>	D 2 17-18 MINS G A MINU 35-37 25 FEET 42 CLOUDY 46-49 GPM SUPPLY	DO 28 <sup>3-16</sup> 20-23 00 44 27/30	SS 61 DEP FRC L L S S AGAAGA	PLU( TH SET AT - FEET DM TO 10-13 14 18-21 22 26-29 30 LOCATION HOTCATE NORT	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	G & SEA		D AND
15-18 1 2 20-23 1 2 25-26 1 2 30-33 1 2 71 PUMP NG TEST M 10 PUMP STATIC LEVEL 19 17 FLOWING GIVE RATE RECOMMENDED STATUS OF WELL	SALTY     -       FRESH     3       SALTY     4       MATER     4       WATER     4       WATER     2       PUMPTNP     2       OW     DEEP       SALTY     1       SALTY     3       G     3	MINERAL         SULPHUR         MINERAL         SULPHUR         MINERAL         SULPHUR         MINERAL         SULPHUR         MINERAL         SULPHUR         MINERAL         SULPHUR         MINERAL         BULPHUR         MINERAL         MINERAL         SULPHUR         MINERAL         SULPHUR         MINERAL         SULPHUR         SULPHUR         MINERAL         SULPHUR         SULPHUR         MINERAL         SULPHUR         SULPHUR         SULPHUR         GPM         RECOMMEND         PUMP         SETING         GPM         GPM./FT.S         WATER SUPPLY         OBSERVATION         TEST HOLE         RECHARGE WELL		11     STEEL       2     GALVA       3     CONCH       4     OPEN       1     STEEL       2     GALVA       3     CONCH       4     OPEN       1     STEEL       2     GALVA       3     CONCH       4     OPEN       1     TI-14       0     TI-14       0     ABANDONI       1     ABANDONI       1     ABANDONI	12     188       INIZED     19       INIZED     19       INIZED     26       ANIZED     26       ANIZED     19       ION OF PUMPING     100 of PUMPING       100 of S     100 of S       100 of S     100 of S       100 of S     100 of S	D 2 17-18 MINU G MINU 35-37 25 FEET 42 CLOUDY 46-49 GPM SUPPLY	DO 28 <sup>3-16</sup> 20-23 20-20	OS 61 DLP FROM STATES	PLU( TH SET AT - FEET M TO 10-13 14 16-21 22 26-29 30 LOCATIO	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	J & SEA	LING REC ID TYPE LEA LL LL FROM ROA PLA M	D AND
15-18 1 2 20-23 1 2 25-28 1 2 30-33 1 2 30-33 1 2 71 PUMPNG TEST I 1 PUMPNG TEST	SALTY	Implement		11       STEEL         2       GALVA         3       CONCI         4       OPEN         2       GALVA         3       CONCI         4       OPEN         2       GALVA         3       CONCI         4       OPEN         1       STEEL         2       GALVA         3       CONCI         43       GONCI         43       STEEL         9       WATEI         9       PACITY         1       ABANDONI         1       UNFINISH         COMMERCIAL       NUNICIPAI	12     188       RETE     19       HOLE     19       RETE     100       HOLE     26       ANIZED     RETE       HOLE     15-16       100 of PUMPING     15-16       15-16     20       18-16     20       18-16     20       19     PUMPING       19     10008       100 of PUMPING     10008       100 of FUMPING     10008       100 of FEST     20       100 of TEST     20       100 of TEST     20       100 of S     20       100 of TEST     20       100 of S     20	D 2 17-18 MINU G MINU S 5-35 25 FEET 42 CLOUDY 46-49 GPM SUPPLY	DO 28 <sup>3</sup> 11 <sup>6</sup> 20.23 20.2	DS 6 DI REAL	PLU( 1H SET AT - FEET DM TO 10-13 14 16-21 22 26-29 30 LOCATIO HOTCATE NORT	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	G & SEA MATERIAL AN OF WELL SS OF WELL RROW.		D AND
15-18 1 2 20-23 1 2 25-26 1 2 30-33 1 2 30-33 1 2 71 PUMPNG TEST N 1 PUMP STATIC LEVEL 19 10 PUMP STATIC LEVEL 19 12 FI CUN FLOWING GIVE RATE RECOMMENDED STATUS OF WELL STATUS OF WELL	SALTY         FRESH         SALTY         MATER         WATER	Implement         Implement      I	TE 26 17- 24- 80 TE 24- 80 5-28 30 MIN 5-28 30 MIN 5-28 5-2	11         STEEL           2         GALVA           3         CONCI           4        QREAN-           18         1           2         GALVA           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QREAN-           3         CONCI           4        QPEN           1         STEEL           2         GALVA           3         CONCI           4	12     188       INIZED     19       RETE     19       HOLE     26       ANIZED     26       ANIZED     8       RETE     HOLE       HOLE     10       100 OF PUMPING     13:16       11 PUMPING     12       12 RECOVEF     80 N       13 PUMPING     12       RECOVEF     23:34       C RATEND OF TEST     22       CLEAR     2       ING     5	D 2 2 17-18	DO 28 <sup>3</sup> 11 <sup>6</sup> 20.23 20.2	DS 10 DE CONTRACTOR	PLU( 1H SET AT - FEET DM TO 10-13 14 18-21 22 26-29 30 LOCATIC HOW SHOW DI INDICATE NORT	GGIN( -17 -25 -33 80 DN O STANCE H BY AI	G & SEA	LING REC ID TYPE LEA ID TYPE LEA IL L L L L FROM ROA P L A Y N	D AND
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41 WATER RECORD		CASING & OPEN H		ECORD	REEN	LOT NO )		INCHES	41-44
AT - FEET		INCHES	X	13-16	sc	<u></u>		OF SCREEN	FEET
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25-28 1 _ FRESH 3 _ SUI 2 _ SALTY 4 _ MI	LPHUR 29 NERAL 24-2	4 D OPEN HOLE		27-30		18-21 22-25			
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TUNPING TEST METHOD 10		11-14 DURATION OF PUMPING	0 17-18	:		LOCATION	OF WEL	L	
STATIC WATER LEVEL	25 WATER LEVELS DUI		Y	IN DI LOT L	AGRAM B	BELOW SHOW DISTAND	CES OF WELL ARROW.	FROM ROAD	AND
	15 MINUTES 30 MIN 26-28	UTES 45 MINUTES 60 M 29-31 32-34	1NUTES 35-37 FEFT						Ni
C FLOWING. 38-41 GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST	42 CLOUDY			N			<i>7</i> 1
GPM GPM		A3-45 RECOMMENDED PUMPING	46-49 GPM			to			
50-53						()			
	R SUPPLY 5 RVATION WELL 6	ABANDONED, INSUFFICIENT	SUPPLY			IL-	3mile	,	110
OF WELL 4 C RECH	ARGE WELL						2 1		<u> </u>
	K SATION 7	MUNICIPAL PUBLIC SUPPLY				\\ /	orku	ney hol	
	other <u>Ch</u>	wreh ' Not used							
METHOD 2 K ROTA	E TOOL	BORING     DIAMOND     LETTING				//			
	ART (REVERSE) ARY (AIR)	DRIVING		DRILLERS REMA	RKS	· ·			
NAME OF WELL CONTRACTOR	<u>Λ //</u>	PIT LICENCE NU	MBER 19		1	SB CONTRACTOR SP	-62 DATE RECEIV	51	07
ADDRESDO HA	Nrilling	B. T.	<u> </u>		PECTION	INSPECTO	<b>A</b> , -		
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COUNTY OF DISTRICT	TOWNSHIP, BORONDH. CITY, TOWN, VILO	AGE 7	CON	BLOCK TRACT. SURVEY E	TC	
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	0.1.2.2.9.7	¥ 030	0 4	MASIN CODE		
	G OF OVERBURDEN AND BEI	DROCK MATER	IALS (SEE IN	STRUCTIONS)		
COMMON MATERIAL	OTHER MATERIALS		GENERA	DESCRIPTION	FROM	TO
grey sard	grave!				0	8
grey sand	loulders				8	15
Jey Sano	graver				/S	35
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(31) 1000B1228 111 1 D01512	22843 0035228111	00/21214	<b>.</b>			<u> </u>
WATER RECORD	51) CASING & OPEN HOL	DEPTH - FEET		DF OPENING 31-33	DIAMETER 34-38	LENGTH 39-40 FEET
0058 2 SALTY 4 MINERAL	NCHES INCHES			L AND TYPE	DEPTH TO TOP OF SCREEN	41-44 30 FEET
2 C 23 1 E EPESH 3 SULPHUR 19	77 1 CONCRETE 4 OPEN HOLE -188 17-18 1 □ STEEL 19	20-23	61 DEPTH SET		SEALING RECO	
2 G SALTY 4 G MINERAL 25-28 1 G FRESH 3 G SULPHUR 29	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		FROM 10-13	10 MATCH	LEAD PA	CKER. ETC )
2 SALTY 4 MINERAL 30-33 1 FRESH 3 SULPHUR 3480 2 SALTY 4 MINERAL	24-25 L STEEL 26 2 GALVANIZED 3 CONCRETE	27-30	18-21	22-25		
71 PUMPING TEST METHOD TO PUMPING RATE	11-14 DURATION OF PUMPING	]	LO	CATION OF V	NELL	]
1 DPUMP Z L BAILER DO	GPN HOURS 15-16 17 17 HOURS 16 17 NI S DURING 2 RECOVERY	IN DE	AGRAM BELOW	SHOW DISTANCES OF TE NORTH BY ARROW.	WELL FROM ROAD A	ND
SH 005 19-21 02 542% 15 MINUTES	30 MINUTES 45 MINUTES 60 MINUTES	537				1
Z IF FLOWING, 38-4" PUMP INTAKE SET A GIVE RATE GPN	T WATER AT END OF TEST	42 Y				/V.
RECOMMENDED PUMP TYPE RECOMMENDED PUMP SETTING	State PUMPING OO/ O GP	49  H			2	
FINAL 1 DAWATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPLY			-	1 cm	
STATUS J DISERVATION WELL OF WELL J DISERVATION WELL J DISERVATION WELL J DISERVATION WELL	6 ABANDONED POOR QUALITY 7 UNFINISHED		4001	E TO KIN	~	
55-56 1 □ DOMESTIC 5 2 □ STOCK 6 WATER 3 □ IRRIGATION 7	COMMERCIAL MUNICIPAL PUBLIC SUPPLY					
USE 05 4 1 INDUSTRIAL 0	COOLING OR AIR CONDITIONING					<b>X</b>
METHOD 2 □ CABLE TOOL 2 □ ROTARY (CONVENTIONA 0F 3 □ ROTARY (REVERSE)	6      80RING     10					, r
DRILLING	9 D DRIVING	DRILLERS REMARI	(5			
& Henry Mains Well	Dulling 3644		58 CONTR	ACTOR 59-62 DAT 2	108 A	63-68 80
NAME OF DRILLER OF BORER	hmont Ont		CTION	INSPECTOR		
SIGNATURE OF POLTRACTOR	SUBNISSION DATE 7					
MINISTRY OF THE ENVI	IRONMENT COPY	ō			ESS FORM NO. 0506-	-77 FORM 7

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Ontario of the Environment				WE			
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GENERAL COLOUR MOST COMNON MATERIAL	OTHER MATERIAL	LS		GENERAL	DESCRIPTION	DEPTH	H - FEET
Clay						0	6
Hardom						6	18
Gravel						/ B	28
Lior Store						28	35
				<u></u>		JOE -	
						WF-10	)
(1) 6006 ps 1 0018	14 0028 11	1.1.10	935 15				
AT - FEET KIND OF WATER	SIDE CASING & OPEN	N HOLE REC	ORD		F OPENING 31-33	DIAMETER 34-36	LENGTH 39-40 FEET
10-13 1 1 FRESH 3 SULPHUR 14	10-11 1 05 STEEL 12 12 GALVANIZED 1	HES FROM	10 m 70	US S	AND TTPE	DEPTH TO TOP OF SCREEN	43-64 30 FEET
		14 50					
15-18 1 _ FRESH 3 _ SULPHUR 19 0( 2 _ SALTY 4 _ MINERAL	) 3 CONCRETE 1 C 17-18 1 STEEL 19	58 28	35	61 DEPTH SET		SEALING RECO	
15-18 1 □ FRESH 3 □ SULPHUR <sup>19</sup> 2 □ SALTY 4 □ MINERAL 20-23 1 □ FRESH 3 □ SULPHUR <sup>24</sup> 2 □ SALTY 4 □ MINERAL 25-28 1 □ FR§SH 3 □ SULPHUR <sup>29</sup>	3 □ CONCRETE     1 2     17-10     1 □ STEEL     19     7 □ GALVANIZED     3 □ CONCRETE     4 □ OPEN HOLE	38 28	35 20-23 0035	61 DEPTH SET FROM 10-13	PLUGGING & AT - FEET TO 14-17	SEALING RECO	RD NT GROUT CKER ETC }
15-18       1       FRESH       3       SULPHUR       19       OC         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL         30-33       1       FRESH       3       SULPHUR       34	3 CONCRETE     1 C       17-10     1 STEEL       19     2 GALVANIZED       3 CONCRETE     20 CONCRETE       24-25     1 STEEL       26     2 GALVANIZED       3 CONCRETE     2 GALVANIZED       3 CONCRETE     3 CONCRETE	\$\$ <b>2</b> \$	20-23 00 <b>3</b> 1 27-30	61 DEPTH SET FROM 30-13 18-21 26-29	PLUGGING & AT - FEET MATER 10	SEALING RECO	RD NT GROUT CKER ETC )
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       29         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20         30-33       1       FRESH       3       SULPHUR       34         2       SALTY       4       MINERAL       40         71       PUMPING TEST METHOD       10       PUMPING RATE	3 CONCRETE     1 CONCRETE       17-18     1 STEEL       17-18     1 STEEL       19     2 GALVANIZED       3 CONCRETE       24-25       1 STEEL       2 GALVANIZED       3 CONCRETE       4 OPEN HOLE	3 % <b>2</b> 8	20-23 20-23 0035 27-30	61 DEPTH SET FROM 10-13 14-21 26-29 LOC	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF V	SEALING RECO	RD NT GROUT CKER ETC )
15-16       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL         20-23       1       FRQSH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       20         30-33       1       FRESH       3       SULPHUR       34         2       SALTY       4       MINERAL       40         30-33       1       FRESH       3       SULPHUR       34         2       SALTY       4       MINERAL       40         71       PUMPING TEST METHOD       10       PUMPING RATE       00       15         1       PUMP       VATER LEVEL       25       VATER LEVEL       25         STATIC       END OF       25       WATER LEVEL       25	3 CONCRETE     1 CONCRETE       17-10     1 STEEL       1     STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE       24-25     1 STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE       1     STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE       1     STEEL       1     PUMPING       5     DURING	5 5 2 5 10 17-18 NG	20-23 0031 27-30	61 DEPTH SET FROM 10-13 14-21 26-29 LOC RAM BELOW E INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF A SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO RIAL AND TYPE CEAD PA WELL WELL FROM ROAD AN	NT GROUT CKER ETC )
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         20-23       1       FRESH       3       SULPHUR       27         2       SALTY       4       MINERAL       25         20-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       40         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       40       40         71       PUMPING TEST METHOD       10       PUMPING RATE       00       5         3       STATIC       WATER LEVEL       25       WATER LEVEL       3         19-21       22.2       24       15       MINUTES       3         26-28       20       20       26-28       24	3     CONCRETE     1       17-18     1     STEEL     19       2     GALVANIZED     3       3     CORCRETE       4     OPEN HOLE         24-25     1     STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE         10-14     OURATION OF PUMPING       10-14     OURATION OF PUMPING       5     DURING       2     DECOMP       20     AS MINUTES       00     MINUTES       45     MINUTES	5	20-23 0035 27-30	61 DEPTH SET FROM 10-13 14-22 26-29 LO( RAM BELOW E. INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3     CONCRETE     17       17-11     1     STEEL     19       2     GALVANIZED     3       3     CORCRETE       4     OPEN HOLE       24-25     1     STEEL       24     25     1       3     CONCRETE       4     OPEN HOLE       10     IS-16       01     IS-16       02     PUMPING       10     MINUTES       20-31     32-36       20-7-32     7       WATER AT END OF TEST       1     CLEAR	3 5 2 5 17-18 NG 11/18 NI 10/11/11 10/11	20-23 0031 27-30	61 DEPTH SET FROM 10-13 14-29 26-29 LO( RAM BELOW E. INDICA	PLUGGING & AT FEET MATER 10 14-17 22-25 30-33 80 CATION OF V SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       20         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       20         1       PUMP       2       BAILER       0015       5         STATIC       ENDOR       PUMPING       25       WATER LEVEL       26-28         19-21       22.2       24       15       MINUTES       3       26-28       26-28         19-21       22.2       FEET       22.0       FEET       22.0	3     CONCRETE     1       17-18     1     STEEL     19       2     GALVANIZED     3       3     CONCRETE       4     OPEN HOLE       24-25     1     STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE         10-14     OURATION OF PUMPING       0     15-16       10     15-16       10     15-16       10     15-16       10     15-16       10     16-16       10     16-16<	5 5 2 5 17-13 NG MINUTES 35-37 20 FEET 42 1 CLOUDY 46-43 3 GPM	20-23 <b>0031</b> 27-30 IN DIAG	61 DEPTH SET FROM 10-13 18-22 26-29 LOC RAM BELOW E. INDICA	PLUGGING & AT FEET MATER TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       26         30-33       1       FRESH       3       SULPHUR       34         30-33       1       FRESH       3       SULPHUR       34         30-33       1       FRESH       3       SULPHUR       34         2       SALTY       4       MINERAL       34       40         10       PUMPING       15       WATER       24       34         11       PUMPING       22       24       15       MINUTES       32         20       3       FEET       30       74       24	3     CONCRETE     17       17-11     1     STEEL     19       2     GALVANIZED     3       3     CORCRETE       4     OPEN HOLE       24-23     1     STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE         10-14     DURATION OF PUMPING       GPN     15-16       4     OPEN HOLE         10-14     DURATION OF PUMPING       GPN     1         10     DURATION OF PUMPING         29-31     32-36       32-9-37     32-37       32-9-37     32-37       32-9-37     32-37       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-32       32-9-37     32-34       FEET     1       FEET     1       FEET     1       CLEAR     2       43-45	3 5 2 5 17-18 WINS NG 10-17-18 WINS NG 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 10	20-23 0031 27-30	61 OEPTH SET FROM 10-13 18-29 26-29 LO( RAM BELOW E. INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF A SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       13         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25       24         20-33       1       FRESH       3       SULPHUR       23         30-33       1       FRESH       3       SULPHUR       24         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24       25         2       SALTY       4       MINERAL       25       WATER LEVEL         1       PUMP       2       MATER LEVEL       25       WATER LEVEL       3         24       24       24       25       <	3     CONCRETE     1       17-18     1     STEEL     19       2     GALVANIZED     3       3     CORCRETE       4     OPEN HOLE       24-25     1     STEEL       2     GALVANIZED       3     CONCRETE       4     OPEN HOLE         10-14     OURATION OF PUMPING       10-14     OURATION OF PUMPING       10-14     OURATION OF PUMPING       10-14     OURATION OF PUMPING       29-31     32-34       29-31     32-34       7     WATER AT END OF TEST       1     CLEAR       1     CLEAR       21-34     RECOMMENDED       9     PUMPING       5     FEET       1     CLEAR       2     ABANDONED, INSUFFICIENT       6     ABANDONED, INSUFFICIENT       1     UNFINISHED	5 5 2 5 17-18 MINS MINS MINS 35-37 20 FEET 42 1 CLOUOY 45-43 2 GPM T SUPPLY Y	20-23 <b>0031</b> 27-30 IN DIAG	61 DEPTH SET FROM 10-13 14-21 26-29 LO( RAM BELOW E. INDICA	PLUGGING & AT FEET MATER TO 14-17 22-25 30-33 80 CATION OF V SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       13         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       25         30-33       1       FRESH       3       SULPHUR       28         2       SALTY       4       MINERAL       20       20         2       SALTY       4       MINERAL       20       20         2       SALTY       4       MINERAL       20       20         1       PUMPING TEST METHOD       10       PUMPING RATE       20       20       26 <th>3 CONCRETE       17-10         17-11       1 STEEL       19         2 GALVANIZED       3 CORCRETE         3 CORCRETE       20         4 COPEN HOLE         24-23       1 STEEL         2 GALVANIZED         3 CONCRETE         4 COPEN HOLE         24-23         1 GALVANIZED         3 CONCRETE         4 OPEN HOLE         1 DURATION OF PUMPING         CPN         1 DURATION OF PUMPING         29-31         29-31         29-31         29-31         32-31         32-32         32-31         32-34         5 FEET         1 CCLEAR         2 FEET         43-45         8 COMMENDED         9 UMFINS         9 UMFINSHED         1 DURFINISHED</th> <th>3 % 2 % 17-18 WINS NG 10-17-18 WINS NG 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 10-18 10-</th> <th>20-23 0033 27-30 IN DIAGI LOT LIN</th> <th>61 DEPTH SET FROM 10-13 18-29 Z6-29 LOC RAM BELOW E. INDICA</th> <th>PLUGGING &amp; AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW</th> <th>SEALING RECO</th> <th>ND</th>	3 CONCRETE       17-10         17-11       1 STEEL       19         2 GALVANIZED       3 CORCRETE         3 CORCRETE       20         4 COPEN HOLE         24-23       1 STEEL         2 GALVANIZED         3 CONCRETE         4 COPEN HOLE         24-23         1 GALVANIZED         3 CONCRETE         4 OPEN HOLE         1 DURATION OF PUMPING         CPN         1 DURATION OF PUMPING         29-31         29-31         29-31         29-31         32-31         32-32         32-31         32-34         5 FEET         1 CCLEAR         2 FEET         43-45         8 COMMENDED         9 UMFINS         9 UMFINSHED         1 DURFINISHED	3 % 2 % 17-18 WINS NG 10-17-18 WINS NG 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 WINS 10-17-18 10-18 10-	20-23 0033 27-30 IN DIAGI LOT LIN	61 DEPTH SET FROM 10-13 18-29 Z6-29 LOC RAM BELOW E. INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       13         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         30-33       1       FRESH       3       SULPHUR       23         2       SALTY       4       MINERAL       24         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24       24         2       SALTY       4       MINERAL       25       26       24         2       SALTY       4       MINERAL       25       26       24       25         30       19       PLEYEL       22       26       2	3 CONCRETE       17-18         17-18       1 STEEL       19         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 OPEN HOLE         24-25       1 STEEL       26         3 CONCRETE       1 OPEN HOLE         24-25       1 STEEL       26         3 CONCRETE       1 OPEN HOLE         10 MINUTES       0 OPEN HOLE         10 MINUTES       45 MINUTES         29-31       32-34         29-31       32-34         7       WATER AT END OF TEST         1       CLEAR       2         43-45       RECOMMENDED         PUMPING       1         5       ABANDONED, INSUFFICIENT         6       ABANDONED, INSUFFICIENT         1       CLEAR       2         43-45       RECOMMENDED         9       UNFINISHED	5 % 2 % 17-18 NG NINUTES 33-37 20 FEET 42 1 CLOUDY 46-49 2 GPM T SUPPLY Y	20-23 00-31 27-30 IN DIAGI	61 DEPTH SET FROM 10-13 14-21 26-29 LO( RAM BELOW E. INDICA	PLUGGING & AT FEET MATER TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       13         2       SALTY       4       MINERAL       24         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       26         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20       20         13       PUMPING TEST METHOD       10       PUMPING RATE       20       20         11       PUMP       2       WATER LEVEL       23       WATER LEVEL       24       24         18-21       22       24       PUMPING RATE       25       26       26       26       26       26       26       26       26       26       26       26       26       26       26       26       26       26       26	3       CONCRETE       1         17-18       1       STEEL       19         2       GALVANIZED       3       CORCRETE         4       OPEN HOLE       24-23       1       STEEL       24         2       GALVANIZED       3       CONCRETE       4       0         10       ISTEEL       24       25       1       STEEL       24         2       GALVANIZED       3       CONCRETE       4       0       0       0         10       ISTEEL       24       0	5 % 2 8 17-18 NG 17-18 1	20-23 20-23 27-30 IN DIAG LOT LIN	61 DEPTH SET FROM 10-13 18-29 26-29 LO( RAM BELOW E. INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       26         30-33       1       FRESH       3       SULPHUR       28         2       SALTY       4       MINERAL       20       26         30-33       1       FRESH       3       SULPHUR       28         2       SALTY       4       MINERAL       20       20         2       SALTY       4       MINERAL       20       20         10       PUMPING       18       21       22       24       25         11       PUMP       2       MATER       22       26       24       24       24       24       24       24       24       24	3       CONCRETE       1         17-11       1       STEEL       19         2       GALVANIZED       3       CORCRETE         4       OPEN HOLE       26         24-25       1       STEEL       26         3       CONCRETE       4       OPEN HOLE         24-25       1       STEEL       26         3       CONCRETE       4       OPEN HOLE         4       OPEN HOLE       15-16       0         0       INTUES       45 MINUTES       60         20       29-31       32-35       32-35         20       FEET       0       PUMPING         7       WATER AT END OF TEST       0         43-45       RECOMMENDED       PUMPING         7       VATER AT END OF TEST       1         43-45       RECOMMENDED       10         9       FEET       1       CCLEAR       2         43-45       RECOMMENDED       PORTOR       1         9       ABANDONED, INSUFFICIENT       1       0         10       ABANDONED, INSUFFICIENT       1       0         11       COMMERCIAL       MUNICIPAL       1	5 5 2 5 17-18 NG 17-18 NI VI VS NG 20 FEET 42 1 CLOUDY 46-49 2 GPM T SUPPLY Y 	20-23 CO31 27-30 IN DIAGI LOT LIN	61 DEPTH SET FROM 10-13 14-21 26-29 LO( RAM BELOW E INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW ARROW 3 3 3 3 3 3 3 3 3 3 3 3 3	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       13         2       SALTY       4       MINERAL       24         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25         2       SALTY       4       MINERAL       25         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20       20         30-33       1       FRESH       3       SULPHUR       24         30-33       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       25       20         12       PUMPING       15       MINERAL       25       20       25         13       FRECH       20       SUPHUR       25       24       25         21       PUMP       MATER       25       24       25       24       25 <t< th=""><th>3 CONCRETE       17         17-10       1 STEEL       19         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 STEEL         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 STEEL         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 OPEN HOLE         10 MINUTES       4 OPEN HOLE         10 MINUTES       45 MINUTES         29-31       29-31         29-31       22-32         29-31       22-32         29-31       22-32         3 FEET       MATER AT END OF TEST         43-45       RECOMMENDED         PUMPINS         5 FEET       ABANDONED, INSUFFICIENT         1 ABANDONED, INSUFFICIENT         1 ABANDONED, INSUFFICIENT         1 ABANDONED, INSUFFICIENT         1 ONFINISHED         1 COOLING OR AIR CONDITIONING         2 DIAMOND         2 DIAMOND         3 DITING</th><th>S S 2 S 17-13 NG MINUTES 33-37 20 FEET 42 1 CLOUDY 46-49 2 GPM T SUPPLY Y CLOUDY 46-49 2 GPM DRI DRI DRI DRI</th><th>20-23 20-23 27-30 IN DIAG LOT LIN</th><th>61 DEPTH SET FROM 10-13 14-21 26-29 LOC RAM BELOW E. INDICA 54 CONTRU</th><th>PLUGGING &amp; AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW</th><th>SEALING RECO</th><th>ND</th></t<>	3 CONCRETE       17         17-10       1 STEEL       19         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 STEEL         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 STEEL         2 GALVANIZED       3 CONCRETE         3 CONCRETE       1 OPEN HOLE         10 MINUTES       4 OPEN HOLE         10 MINUTES       45 MINUTES         29-31       29-31         29-31       22-32         29-31       22-32         29-31       22-32         3 FEET       MATER AT END OF TEST         43-45       RECOMMENDED         PUMPINS         5 FEET       ABANDONED, INSUFFICIENT         1 ABANDONED, INSUFFICIENT         1 ABANDONED, INSUFFICIENT         1 ABANDONED, INSUFFICIENT         1 ONFINISHED         1 COOLING OR AIR CONDITIONING         2 DIAMOND         2 DIAMOND         3 DITING	S S 2 S 17-13 NG MINUTES 33-37 20 FEET 42 1 CLOUDY 46-49 2 GPM T SUPPLY Y CLOUDY 46-49 2 GPM DRI DRI DRI DRI	20-23 20-23 27-30 IN DIAG LOT LIN	61 DEPTH SET FROM 10-13 14-21 26-29 LOC RAM BELOW E. INDICA 54 CONTRU	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-22       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL       27         2       SALTY       4       MINERAL       27         2       SALTY       4       MINERAL       28         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20         10       PUMPING       10       PUMPING       20         11       PUMP       2       MATER LEVEL       20         15       STATIC       WATER LEVEL       20       20         15       FEET       20       FEET       20         20       GRECOMMENDED PUMP TYPE       PUMP       10         16       FRECOMMENDED PUMP TYPE       SETTING       22	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3     3     3       0     17-18       MINUTES       33-37       20     FEET       42       1       1       CLOUDY       46-49       3       3       3       3       3       0       MBER       4       4       5       0       MBER       4       5       0       1	20-23 CO-31 27-30 IN DIAGI LOT LIN IN DIAGI LOT LIN SUBCE DATE OF INSPECTION	61 OEPTH SET FROM 10-13 14-29 26-29 LOC RAM BELOW E. INDICA Stationary Contract Stationary Contract Sta	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW	SEALING RECO	ND
15-18       1       FRESH       3       SULPHUR       19         2       SALTY       4       MINERAL         20-23       1       FRESH       3       SULPHUR       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL       24         2       SALTY       4       MINERAL       24         20-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20       24         30-33       1       FRESH       3       SULPHUR       29         2       SALTY       4       MINERAL       20       20         2       SALTY       4       MINERAL       20       20         10       PUMPING       10       PUMPING RATE       20       20       20         11       PUMP       2       MATER LEVEL       20	3 CONCRETE       17         17-11       1 STEEL       19         2 GALVANIZED       3 CONCRETE         4 OPEN HOLE       24-25         1 GONCRETE       4 OPEN HOLE         2 GALVANIZED       3 CONCRETE         1 GONCRETE       4 OPEN HOLE         2 GALVANIZED       3 CONCRETE         2 GALVANIZED       3 CONCRETE         2 GALVANIZED       3 CONCRETE         2 GALVANIZED       3 CONCRETE         3 GONCRETE       4 S MINUTES         3 GONCRETE       3 CONCRETE         4 S MINUTES       3 CONCRETE         4 S MINDONED, INSUFFICIENT       GABANDONED, INSUFFICIENT      <	35-37       2       8       33-37       2       35-37       2       35-37       2       35-37       2       35-37       35-37       35-37       35-37       35-37       35-37       35-37       35-37       35-37       35-37       35-37       35-37       35       35       36       37       38       39       39       39       39       39       39       39       39       30       30       31       32       33       35       36       37       38       39       39       30       30       31       32       33       33       39       39       39       30       30       31       32       33       33       34       35	20-23 20-23 27-30 IN DIAGI LOT LIN IN DIAGI LOT LIN BATA SOUBCE DATE OF INSPECTIO REMARKS:	61 OEPTIN SET FROM 10-13 14-21 26-29 LOC RAM BELOW E. INDICA	PLUGGING & AT - FEET TO 14-17 22-25 30-33 80 CATION OF M SHOW DISTANCES OF TE NORTH BY ARROW ARROW SHOW DISTANCES OF TE NORTH BY ARROW 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	SEALING RECO	ND
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AT - FEET 10-73   C 736   2 C 15-10   2 C 20-23   C 25-28   C 2 C 25-28   C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH 3	INSTOR DIAM INCHES 10-11   OSTEEL 54 2 GALVAI 2 GALVAI 2 GALVAI 3 CONCR 24-25 1 STEEL 2 GALVAI 3 CONCR 4 OPEN I 24-25 1 GALVAI 3 CONCR 4 OPEN I 24-25 1 GALVAI 3 CONCR 4 OPEN I 24-25 1 GALVAI 2 GALVAI 3 CONCR 4 OPEN I 24-25 1 GALVAI 3 CONCR 4 OPEN I 3 CONCR 4	IAL THICKNESS IAL THICKNESS IICHESS		Image: Second	NO 7 RIAL AND TYPE PLUGGING IET AT - FEET TO -13 -14-17 -21 22-25 23 30-33 80 OCATION O W SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> NATERIAL AND T F WELL F WELL FR ROW.	INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC OM ROAD AN	#1-44         3           FEET         2           RD         3           NT GROUT         5           CKER_ETC         2
AT - FEET 10-13 ' C 736 ' 2 C 15-18 ' C 2 C 20-23 ' C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH       3       SULPHUR       14         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       29         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         SALTY       4       MINERAL       34         SALTY       4       MINERAL       34         HOD       12       PUMPING RAT       25         WATER       22-24       15 <minutes< td="">       26         CD15       C15       C15       15</minutes<>	INSTOE         MATERI           INTOR         MATERI           INCHES         IO-II           INCHES         IOSTEEL           STA         IOSTEEL           STA         IOSTEEL           STA         IONCR           INCHES         IONCR           INCHES         IONCR           INCHES         IONCR           INCHES         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	IAL       WALL         IAL       THICRNESS         IZED       INCHESS         NIZED       INCHESS         NOURS       INCHESS         IS-16       INCHESS         INCHESS       INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 330040 2 330040 2 115 5 5-37	N         N	NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 -13 -14-17 -21 22-25 25 30-33 80 OCATION O W SHOW DISTANCES ICATE NORTH BY ARI	G & SEALIF ATERIAL AND T F WELL OF WELL FR ROW.	INCHES EPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC COM ROAD AN	#1-44         3           FEET         2           RD         3           NT GROUT         5           KER, ETC )         3
AT - FEET 10.73   C 73.6   2 C 15.10   C 20.23   C 20.23   C 21.22 20.23   C 20.23   C 2 C 20.23   C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH 3	INSTOE         MATERI           INSTOE         MATERI           INCHES         IO-11         I GSTEEL           5%         2         GALVAN           3         CONCR         GALVAN           10-11         I GSTEEL         2           6%         3         CONCR           117-18         I STEEL         2           12         GALVAN         3           13         CONCR         4           24-25         1         STEEL           2         GALVAN         3           24-25         1         STEEL           24         0         GALVAN           3         CONCR         4           4         OPEN H           24-25         1         STEEL           20         GALVAN         3           20 ONCR         4         OPEN H           24-25         1         STEEL           20         GALVAN         3           20 ONCR         4         OPEN H           7         10 GPN         0           10 GPN         0         1           28         30         MINUTES <tr< td=""><td>IAL THICKNESS IAL THICKNESS INCHESS</td><td>LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3300040 2 115 5 5 5 5 5 5 5 5 5 5 5 5 5</td><td>N         15107           1316         15107           1316         MATER           1316         0EPTH S           100         FROM           100         100           7-30         18           26         18           26         100           10         18           26         18           26         100           10         18           26         100           10         100           10         100           10         100           10         100</td><td>NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO -13 14-17 -21 22-25 23 30-33 80 OCATION O W SHOW DISTANCES ICATE NORTH BY ARI</td><td><b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> F WELL FR ROW.</td><td>INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC OM ROAD AN</td><td>FEE 41-44 FEET RD NT GROUT CKER. ETC )</td></tr<>	IAL THICKNESS IAL THICKNESS INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3300040 2 115 5 5 5 5 5 5 5 5 5 5 5 5 5	N         15107           1316         15107           1316         MATER           1316         0EPTH S           100         FROM           100         100           7-30         18           26         18           26         100           10         18           26         18           26         100           10         18           26         100           10         100           10         100           10         100           10         100	NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO -13 14-17 -21 22-25 23 30-33 80 OCATION O W SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> F WELL FR ROW.	INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC OM ROAD AN	FEE 41-44 FEET RD NT GROUT CKER. ETC )
AT - FEET 10-73   C 36   2 C 20-23   C 20-23   C 20-23   C 20-23   C 2 C 20-23   C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH       3       SULPHUR       14         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       29         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       34         SALTY       4       MINERAL         HOD       12       PUMPING RAT         Z       BAILER       WATER LEVEL       25         WATER LEVEL       25       WATER       24-         DIFFERE       0       15       TER         38-47       PUMP INTAKE       GPM       34-47	INSTOE         MATERI           INTCHES         MATERI           10-11         I □ STEEL           544         □ GALVAN           10-11         I □ STEEL           544         □ GALVAN           10-11         I □ STEEL           10-11         □ GALVAN           117-18         □ STEEL           12         GALVAN           13         □ CONCR           4         □ OPEN N           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           24-25         1           25-31         0           24         0           29-31         0           23         30 MINUTES           24-31         0           25-31         0           35ET AT         WATER	IAL THICKNESS IAL THICKNESS INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 330040 2 330040 2 15 5 5 5 5 5 10 10 10 10 10 10 10 10 10 10	N         N         15107           1316         N         15107           1316         N         MATER           1316         G1         DEPTH S           7-30         FROM         10.           7-30         18.         26.1           0 L DIAGRAM BELO         DIAGRAM BELO	NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 -13 -14-17 -21 22-25 23 30-33 80 OCATION O IN SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> G OF WELL FR ROW.	INCHES EPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC OM ROAD AN	#1-44         1           FEET         5           RD         1           VIT GROUT         5           ND         1
NT - FEET 10-73 1 2 0 36 1 2 2 15-18 1 2 2 0-23 1 2 2 0-23 1 2 2 0 2 0-23 1 2 2 0 2 0-23 1 2 2 0 2 0 2 0-23 1 2 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2	KIND OF WATER         X FRESH 3 SULPHUR         SALTY 4 MINERAL         SALTY 4 MINERAL         FRESH 3 SULPHUR         SALTY 4 MINERAL         SALTY 4 MINERAL         FRESH 3 SULPHUR         SALTY 4 MINERAL         THOD       12 PUMPING RAT         Z       BAILER         WATER LEVEL       WATER         Z2-21       15 MINUTES         Z4-47       PUMP INTAKE         GPM       PUMP         MP TYPE       RECOMMENDE         PUMP       STING	INSTOE         MATERI           INSTOE         MATERI           INCHES         MATERI           INCHES         IO-11           INCHES         IOSTEEL           54         IOSTEEL           54         IOSTEEL           54         IOSTEEL           54         IOSTEEL           54         IOSTEEL           54         IOSTEEL           10         IOSTEEL           20         GALVAN           10         ISTEEL           24-25         ISTEEL           20         GALVAN           3         CONCR           4         OPEN P           24-25         ISTEEL           20         GALVAN           3         CONCR           4         OPEN P           24-25         ISTEEL           20         GALVAN           3         CONCR           4         OPEN P           24-25         ISTEEL           20         GALVAN           3         CONCR           4         OPEN P           24-25         ISTER           20         GALVAN <td>IAL THICKNESS IAL THICKNESS IICHESS</td> <td>LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3300040 2 3300040 2 110 110 5 5 5 5 5 5 5 5 5 5 5 5 5</td> <td>N         ISLOT           ISLOT         ISLOT           ISLOT         ISLOT           MATER         MATER           ISLOT         MATER           ISLOT         ISLOT           ISLOT         MATER           ISLOT         ISLOT           ISLOT         MATER           ISLOT         ISLOT           ISLOT</td> <td>NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 21 22-25 23 30-33 80 O C ATION O W SHOW DISTANCES ICATE NORTH BY ARI</td> <td><b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> G OF WELL FR</td> <td>INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC</td> <td>FEE 41-44 FEET RD NT GROUT CKER, ETC )</td>	IAL THICKNESS IAL THICKNESS IICHESS	LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3300040 2 3300040 2 110 110 5 5 5 5 5 5 5 5 5 5 5 5 5	N         ISLOT           ISLOT         ISLOT           ISLOT         ISLOT           MATER         MATER           ISLOT         MATER           ISLOT         ISLOT           ISLOT         MATER           ISLOT         ISLOT           ISLOT         MATER           ISLOT         ISLOT           ISLOT	NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 21 22-25 23 30-33 80 O C ATION O W SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> G OF WELL FR	INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC	FEE 41-44 FEET RD NT GROUT CKER, ETC )
AT - FEET 10-73 + C 36 t 2 C 15-18 + C 20-23 + C 20-23 + C 20-23 + C 2 C 20-23 + C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH       3       SULPHUR       14         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       29         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         SALTY       4       MINERAL       34         WATER       EVEL       25       WATER         WATER       EVEL       25       WATER         WATER       EVEL       0       15         WATER       EVEL       0       15         GT       SHOT       9       9         WATER       EVEL       0       15	INSTOR         MATERI           INTONE         MATERI           INCHES         MATERI           INCHES         IOTI           INCHES         IOSTEEL           STEEL         IOGUA           STEEL         IOGUA           INCHES         IOCNER           INCHES         IOCNER           INCHES         IOCNER           INCHES         IOSTEEL           IOGUA         IOCNER           IOGUA         IOCNER           IOGUA         IOCNER           IOGUA         IOCNER           IOGUA         IOCNER           IOURATIC         IOURATIC           IOURING         IOURATIC           ISET AT         WATERI           ISET AT         WATERI           IO         43:45           RECOMPAND         IOURATIC           ISET AT         WATERI           IO         43:45           RECOMPAND         IONATERI           IO         43:45           INDUMPINC           IO         43:45	IAL THICKNESS IAL THICKNESS INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 330040 2 330040 2 330040 2 115 5 5 330040 2 115 115 115 115 115 115 115	N         15107           15107         15107           15107         15107           15107         MATER           10-23         61           DEPTH S         FROM           7-30         18           26-1         18           26-1         100           DIAGRAM BELO         INDI           DT LINE         INDI	NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 21 22-25 23 30-33 80 O C ATION O W SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> G OF WELL FR ROW.	INCHES EPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC OM ROAD AN	II-44         I           FEET         S           RD         VIT GROUT           VIT GROUT         S           ND         ND
AT - FEET 10-13 ' C 36 ' 2 C 15-18 ' C 2 C 20-23 ' C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH 3 SULPHUR       14         SALTY 4 MINERAL         FRESH 3 SULPHUR         SALTY 4 MINERAL         SALTY 4 MINERAL         SALTY 4 MINERAL         SALTY 4 MINERAL         BAILER         WATER LEVEL         WATER LEVEL         CM 5FEET         SA-47         PUMPING         GPM         MP TYPE         PUMP         SetTING	INSTOE     MATERI       INSTOE     MATERI       INCHES     MATERI       INCHES     IO-11       INCHES     IO-11 </td <td>IAL THICKNESS IAL THICKNESS IICHESS</td> <td>LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3310040 3300 331000 331000 331000 331000 331000 3310000 33100000 3310000000000</td> <td>N         15107           15107         15107           15107         15107           15107         15107           15107         15107           10023         00000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000</td> <td>NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 -13 14-17 -21 22 - 25 23 30 - 33 80 O C ATION O IW SHOW DISTANCES ICATE NORTH BY ARI</td> <td><b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> S OF WELL FR</td> <td>INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN (CEMEN CEMEN OM ROAD AN</td> <td>AD</td>	IAL THICKNESS IAL THICKNESS IICHESS	LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3310040 3300 331000 331000 331000 331000 331000 3310000 33100000 3310000000000	N         15107           15107         15107           15107         15107           15107         15107           15107         15107           10023         00000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000           10000         10000	NO 7 RIAL AND TYPE PLUGGING ET AT - FEET TO 14-17 -13 14-17 -21 22 - 25 23 30 - 33 80 O C ATION O IW SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> S OF WELL FR	INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN (CEMEN CEMEN OM ROAD AN	AD
AT - FEET 10-73 ' C 736 ' 2 C 15-19 ' C 2 C 2 C-23 ' C 2 C 2 C-23 ' C 2 C 2 C 2 C-23 ' C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH       3       SULPHUR       14         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       34         SALTY       4       MINERAL       34         YOUMPING       12       PUMPING RAT       24         WATER LEVEL       25       WATER       24         OBSERVATION       22-24       15       MINUTES         SALTY       90MP INTAKE       015       24         OBSERVATION       90MP SETTING       34	INSTOE       DIAM         INSTOE       DIAM         INCHES       MATERI         INCHES       Image: Street         IO-11       Image: Street         SH       Image: Street         SH       Image: Street         SH       Image: Street         SH       Image: Street         Image: Street       Image: Stre	IAL THICKNESS IAL THICKNESS INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 330040 2 330040 3 3 3 3 3 3 3 3 3 3 3 3 3	N         15107           15107         15107           15107         15107           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           1316         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           131         0           132         0           131         0           132         0           133         0           143         0	NO 7 RIAL AND TYPE PLUGGING TO TO M TO 14-17 21 22-25 28 30-33 80 OCATION O NW SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> G OF WELL FR ROW.	INCHES EPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC	RD VT GROUT CKER, ETC ) ND
AT - FEET 10.73 1 2 36 1 2 2 20-23 1 2 20-23 1 2 20-23 1 2 2 2 20-23 1 2 2 2 2 2 2 2-28 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	KIND OF WATER         X FRESH 3	INSTOE     MATERI       INTOHES     MATERI       INCHES     INCHES	IAL THICKNESS IAL THICKNESS IICHESS	LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3310040 2 3 3 3 3 3 3 3 3 3 3 3 3 3	ISING IS	NO 7 RIAL AND TYPE PLUGGING PLUGGING 14-17 21 22-25 23 30-33 80 OCATION O W SHOW DISTANCES ICATE NORTH BY ARI	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> F WELL FR ROW.	INCHES IPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC OM ROAD AN	FEE 41-44 FEET RD VT GROUT XT GROUT XT GROUT XT GROUT AD
NT - FEET         10.73         10.73         2         3	KIND OF WATER         X FRESH       3       SULPHUR       14         SALTY       4       MINERAL         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       19         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       34         SALTY       4       MINERAL       34         SALTY       4       MINERAL       25         WATER LEVEL       25       WATER       24         WATER LEVEL       25       WATER       24         OTSFREE       0       15       MINERAL         22-24       15       MINERAL       24         OTSFREE       0       15       524         0       15       MINERAL       24         0	INSTOE       DIAM         INTORE       MATERI         INCHES       MATERI         INCHES       MATERI         IO-III       ISTEEL         2       GALVAN         3       CONCR         4       OPEN         17-18       ISTEEL         2       GALVAN         1       STEEL         2       GALVAN         2       GALVAN         2       GALVAN         2       GALVAN         2       GALVAN         3       CONCR         4       OPEN         24-25       I         24-25       I         24-25       I         24-25       I         24       OPEN         24       OPEN         28       OPEN         28       OPEN         29       OPEN         10       GALVAN         28       OPEN         29       SET AT         WATER       NUMPING         20       ABANDONED         10       43-45         29       FEET         10       ABAN	IAL THICKNESS IAL THICKNESS INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 2 3310040 3310000000000000000000000000000000000	N         N	PLUGGING PLUGGING TO TO TO TO TO TO TO TO TO TO	<b>G &amp; SEALI</b> ATERIAL AND T <b>F WELL</b> G OF WELL FR ROW.	INCHES EPTH TO TOP F SCREEN VG RECO YPE (CEMEN LEAD PAC	FEE 41-44 FEET RD VT GROUT CKER. ETC )
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AT - FEET 10.73 ' C 236 ' 2 C 20.23 ' C 20.23 ' C 20.23 ' C 2 C 20.23 ' C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	KIND OF WATER         X FRESH       3       SULPHUR       14         SALTY       4       MINERAL       19         SALTY       4       MINERAL       14         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       25         SALTY       4       MINERAL       34         FRESH       3       SULPHUR       24         SALTY       4       MINERAL       34         C15       5       15       MINERAL         22-2224	INSTOE       DIAM         INSTOE       DIAM         INCHES       MATERI         IO-11       ISTEEL         2       GALVAN         3       CONCR         4       OPEN         17-18       ISTEEL         2       GALVAN         17-18       ISTEEL         2       GALVAN         1       STEEL         2       GALVAN         2       GALVAN         3       CONCR         4       OPEN         24-25       ISTEEL         2       GALVAN         3       CONCR         4       OPEN         24-25       ISTEEL         2       GALVAN         3       CONCR         4       OPEN         24-25       ISTEEL         28       29-31         29       S         20       MINUTES         28       29-31         29       FEET         10       43-45         8       ABANDONED         10       43-45         8       ABANDONED         10	IAL THICKNESS IAL THICKNESS INCHESS	LE RECORD DEPTH - FEET FRUM TO 000033 3300040 2 3300040 2 3300040 2 3300040 2 3300040 2 3300040 2 3300040 2 2 3300040 3 3 3 3 3 3 3 3 3 3 3 3 3	N         ISLOT           ISLOT         ISLOT           ISLOT         ISLOT           MATES         ISLOT           ISLOT         ISLOT           ISLOT         ISLOT           MATES         ISLOT           ISLOT	PLUGGING PLUGGING PLUGGING TO TO TO TO TO TO TO TO TO TO	G & SEALIF ATERIAL AND T F WELL F OF WELL FR ROW.	INCHES EPTH TO TOP F SCREEN VIG RECO VPE (CEMEP LEAD PAC	RD VT GROUT CKER. ETC )
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		Screen	<u> </u>	Recommended pump 10	10
Gas	Salty Minerals Outsid	e Steel Fibreglass Slot No.		rate. (litres/min) 15	15
Othe	er: diam	- Plastic Concrete		(litres/min) 25	20
After tes	ar and sediment free	Galvanized		If pumping discontin- 30	30
C Othe	er, specify	No Casing or Scree	n	40	40
Chloring		Open hole	853 48 76	50	50
			10.70	J <u>60</u>	
Death	Plugging and Sealing R	ecord Annular space Abai	ndonment	Location of We w show distances of well from roa	nd, lot line, and building
From	To Material and type (bentor	cubic n	netres) Indicate north by	y arrow.	too l
	8.53 cement	visne grant 10bi	ag 1	and the second sec	mor l
	8		X		
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		of Construction		10/ X7	
	e Tool Rotary (air)		Digging	X Z C	
	ry (conventional)		Other	XXX	<b>X</b>
Rota	ry (reverse) Boring	Driving			
S. A.	estic Industrial		Dther		NY AN NO
Stoc	k Commercial	Not used		/ Date Well	Completed
/ Irriga	ition Municipal	Cooling & air conditioning		21762	NA BE
Wate	er Supply	Unfinished Abandon	ed, (Other) Wats the well o	wner's information Date Deliv	vered YYYY MM DD
Obse	ervation well Abandoned, insufficie	nt supply Dewatering	package deliver		
21 Test	Well Contractor	Technician Information		Ministry Use Onl	<b>y</b> ?
Napre o	f Well Contractor	Well Contractor's Lic	ence No. Data Source	Contracto	1/1/
Bueines	Address (street name, number City	tc.) e	Date Received	YYYY MM DD Date of In	spection YYYY MM DD
Dusines	5TA / Denger		JAN	1 1 2006	
Name o	f Well Technician (last name, first name	e) Well Technician's Lic	Remarks	Well Rec	ora Number
Signetu	re of dechnician/Contractor	Date Submitted YYYY	MM_ DD_		
x /	Atto Kom Do	<u>-6 ^5 </u>	05 024	Catta formul	le est disponible en français
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	Y	Onta	ario	Ministry c the Enviro	f Well T	ag Numt	0214	under below)	Regulati 153613	Well F	Record at
Ð	Instruc For All Que All Plea	tions for use in th Sections stions re metre me ase print	r Complet e Province must be co garding co easuremen clearly in b	ing Form of Ontari ompleted in mpleting th nts shall b	o only. This docur o full to avoid delay nis application can e reported to 1/10 k ink only	A Contract of a metre.	221H Tahefit ega Ig. Further i the Water	23 I document F nstructions an Well Manage	lease retain for future ref d explanations are available ment Coordinator at 416- Ministry Use Onl	erence. e on the back o 235-6203.	f this form.
- -	Well Ov	wner's Ir	nformatio	n and Loc	ation of Well Inf	ormation	MUN	C	ON A A A A A A A A A A A A A A A A A A A	LOT	
	RR#/Stre GPS Rea	a A I et Number ading J Overbur	NAD Z 8 3 1 den and E	one East 8 4 5 Bedrock N	1692 E 5 aterials (see ins	thing 012286 structions)	City/Town/Vil Unit Make/M	lage C. R. eely Odel Motor	site/Compartme Plan 902 e of Operation: Undifferent Ufferentia	H nt/Block/Tract e tiated ted, specify	raged
	General C	olour	Most commo	n material	Other M	laterials		Gener	al Description	Depth From	Metres To
.,	5Ro.	m j	L/11	a	Bonl	ders	··· • •	Mar	d ,	10	2.74
	guy	9	trand	/	San	dy		Pa	etcd	2.74	7.92
	appe	5	11me	Star		<i>. .</i>		/	Ayerd	1.92	76.57
	Junt	se _	and	store		ç			frand	1651 4170	40.23 Sr 86
	grey		limis	tone	111	·····			largened	70.5%	<u>)4.06</u>
					and and a	<u>.</u>			<u> </u>		<u> </u>
			ţ	1	A - Looke					·····	
				K							
	- I	Hole Diam	neter		Con	struction Reco	ord	······	Test of V	Nell Yield	Beeging
	From	To	Centimetre	Inside	Material	Wall thickness	Depth	Metres	Pumping test method Dr	Water Level Tim	e Water Level
	$\cap$	914	2123	centimetres	5	centimetres	From	То	Pump intake set at - Static	Metres min	Metres
	Gin	E1186	15		5 pr	Casing		· · · · · · · · · · · · · · · · · · ·	(metres) Level	dore )	eny
	7.19	5700			Steel Fibreglas	s			(litres/min)	ten 610	
		Water Re	cord	15.55	Plastic Concrete	0.49	TAL	9.14	Duration of pumping 2	2	
	Water four	nd Ki	nd of Water		Steel Fibreglas	s			hrs + min	Encle	ner
	53 m	💋 Fresl	h 🗌 Sulphu	•					of pumping	93	
	Gas	: Salty		s	Galvanized				Recommended pump 4	h/4	<u>}</u>
	   m	Fresi	h 🔲 Sulphu			is .			Shallow Deep		
	Gas	Salty	Mineral	S	Galvanized	العراقية معرد معترين	an an 1977 - 1	4. · · ·	depthmetres		
		Fres	h 🗌 Sulphu	·		Screen			Recommended pump 10	10	
े स	Gas	Salty	Mineral	s Outside diam	Steel Fibreglas	s Slot No.			(litres/min) 15 If flowing give rate - 20	15	
·	After test	of well yiel	d, water was				· .		(litres/min) 25	25	
	Clear	and sedime	ent free			Operation on Com			lf pumping discontin- ued, give reason.	30	
		, specily	<u> </u>		NO	Casing or Scre			50	50	
	Chlorinat	ed 🚺 Yes				<u> </u>	7.14	54.86	60	60	
н. 2 <sup>1</sup>	<u> </u>	Plu	gging and s	Sealing Red	cord 💽 Annu	ılar space 🔲 At	pandonment		Location of We	əll	1.1
i S	Depth set From	tat-Metres To	Material and	type (bentonite	ə slurry, neat cement slur	rry) etc. Volum (cubic	c metres)	In diagram belo	w show distances of well from ro	ad, lot line, and b	building.
	<b>0</b> ,*	9,14	Com	ent for	me grow	- IOJE	as/	and	1		with
e der	<u> </u>		a'		/		0		3 <sup>3</sup> /	· Age All	d
		1							X / som	- 0	1 .
		$\downarrow$		W I				**#4	X L Goo	nwell	a second contraction
•				Method o	f Construction						
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			nal) 🗌 Air p	ercussion			] Other				314
		(leverse)		y Wa	ter Use						
	Domes	stic		trial	Public Su	pply 🗌 🗌	Other		1	•	
ź		on		cipal	Cooling 8	air conditioning		Attdit No.	21 CO Date We	Completed	MM _DD
		1		Final St	tatus of Well		anod (04)	AA	Maria Information Date Del	ivered voor	6P 2 -
	Water	Supply vation well	Abandone	weil ed, insufficient	supply Dewaterir	u L Abando		package delive	red? Yes 2 No	05	04 26
	Test I	Hole	Abandone	d, poor qualit	y Replacen	nent well			Ministry Use On	lly	
	Name of	Well Contra	ctor.			Well Contractor's I	cence No.	Data Source	Contract	lor	4
÷.,	GI/	Address (st	BOUR	ger city etc		1414	-	Date Received	TYYYY MM DD Date of I	netection YYYY	
	5th			a a	÷	11/			1 1 2006		
	Name of	Well Techni	cian (last nam	e, first name)	ang at the second se	Well Technician's	Licence No.	Remarks	Well Re	cord Number	$\leq -1$
	Signature	of Technic	ian/Sontractor			Date Submitted YYYY	MM DD		for the second	n de la composition de la comp	
			12000	round		Ministry's Corry	Wall Ou	ner's Conv 🗆	Cette formi	ıle est disponibl	e en français
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🕅 Ontario	Ministry of the Environment	Well A 04351	ar and print number below)	7040824	cord
Instructions for Completi	ng Form	A043	512		page of
<ul> <li>For use in the Province</li> <li>All Sections must be cor</li> <li>Questions regarding cor</li> <li>All metre measurement</li> </ul>	of Ontario only. This npleted in full to avo npleting this applicat is shall be reported	s document is a permaner id delays in processing. Fu tion can be directed to the to 1/10 <sup>th</sup> of a metre.	nt <b>legal</b> document. P urther instructions an e Water Well Help [	→ Please retain for future reference d explanations are available of Desk (Toll Free) at 1-888-3	ence. In the back of this form. 96-9355.
Please print clearly in blu	ie or black ink only.			Ministry Use Only	
Address of Well Location (County	pistrict/Municipality)		goode	Lot	
GPS Reading NAD Zor 813	r Kway 3 456936	Road Ginni Northing Goldados	Aake/Model Model	e of Operation: Undifferentiated,	Block Tract etc. 4 1473474 ad Averaged specify
General Colour Most common	material	Other Materials	Genera	al Description	Depth Metres
- Da	nd Gro	wel			0 7,93
Lin	ne ston	ne stane		التعني ۱ ۱	7,92 30,71
WK	itel Sa	ndstone	) 		1694-60,96
				-	
				-	
Hole Diameter		Construction Record		Test of We	ll Yield
Depth Metres Diameter From To Centimetres	Inside diam Mater	ial Wall De	epth Metres	Pumping test method Draw	Down Recovery ater Level Time Water Level
0 60,76 1523	centimetres	Casing	rom To	Pump intake set at - Static	Metres min Metres
	Steel	Fibreglass		Pumping rate 1	.17 1 1.32
Water Record		Concrete , 4-8 -1.	4 54.20	Duration of pumping $2$	202,22
At Metres Rind of Water	Steel Plastic	Fibreglass Concrete		Final water level end 3	22 3 1,18
. Other	Galvanized	l Fibreglass		Recommended pump 4	,23 4 1,16
Gas Salv Minerals		Concrete		Recommended pump 5	A 5 1, 14-
m Fresh Sulphur		Screen		Recommended pump 10	30 10 / 11
Gas Saity Minerals	diam Steel	Fibreglass Slot No. Concrete		(litres/mih) 15 ( If flowing give rate - 20 (	40 20 90
Clear and sediment free	Galvanized			(litres/min) 25 If pumping discontin- 30 ued, give reason.	<b>4</b> -7 30
		No Casing or Screen	861096	40	<u>-51</u> 40 55 50
Plugging and Se	aling Record		ment		58 60
Depth set at - Metres From To Material and typ	e (bentonite slurry, neat cen	nent slurry) etc. Volume Place (cubic metres	ed In diagram below s) Indicate north by	v show distances of well from road, arrow.	lot line, and building N
52.860 Bat	mite Siu	VNU 392	3 726	s farkuon	1
				A	
BA	ethod of Construction		3k	M (	N N
Cable Tool Rotary (	air) Di	amond Diggin	Ig	V · 3Kn	ñ 1 2 3
Rotary (reverse)	Water Use	iving			- AR
Domestic Industria		ublic Supply			N P
	al ☐ Co Final Status of Well	poling & air conditioning	Audit No.	55552 Date Well Co	mpleted
Water Supply Recharge we Observation well Abandoned,	II Ur insufficient supply De	nfinished Abandoned, (C watering	Other) Was the well ow package delivered	ner's information d? Vois No	200 M 23
Well Cont	ractor/Technician Int	formation	No. Data Source	Ministry Use Only	
Rusidese Address (streat note autor	LING G	GD 1119	Dete Deschurd		ation
Name of Well Technician (last name fi	thong of	Well Technician's License	No Demote	ΥΥΥΫ́̈́̈́̈́̈́̈́̈́ΥΥΫ́́̈́̈́̈́́̈́́́́́́́́	uon yyyy MM DD
Signature of Technician/Contractor	Strann o			well Record I	vunder
X KOngo	6999a		<u>2</u> 2	Cette formule es	st disponible en français

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V)	Ontario	Ministry of the Environment





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Instructions	for	Completing	Form
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Well

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CEL Technician/Contractor

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- 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 Help Desk (Toll Free) at 1-888-396-9355. **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.** Please print clearly in blue or black ink only. ø

F C								
Address of Well Location (Count	y/District/Mu	nicipality)	( To	ownship	1	Lot	Concessior	1
PB#/Stract Number/Nema	eton		X	City/Town/V	de_	Site/Compartment	Block/Tract a	to
#1268 kar.	Kubar	Koad		6re	ely	Plan 962	PLITE	3+74
GPS Reading NAD Zo	Eastin	North	hing	Unit Matke/M		of Operation: Undifferentia	ted Ave	raged
Log of Overburden and E	edrock Ma	aterials (see inst	tructions)		0		1 op conj	
General Colour Most commo	n material	Other Ma	aterials		Genera	I Description	Depth From	Metres To
Sa	odu	Clay					0	8,53
Sa	nd	Shavel	, Lim	2 34	NO		8,53	40,54
G	rai S	Endst	one				4054	73.1
	l							
						1		
Hole Diameter	-	Cons	truction Rec	ord		Test of We		Zecoven
From To Centimetree	Inside	Material	Wall thickness	Depth	Metres	Time V	Vater Level Time	e Water Leve
0 7315 1523	centimetres		centimetres	From	То	Pump intake set at - Static	Metres min	Metres
B care of control		(Arrest:	Casing			(metres 696 Level	00	20.00
	00	Steel Fibreglass			. 00	(litres/min)S	3 100 1	11.00
Water Record	11500	Galvanized	,48	0	58.55	Duration of pumping 2	444 2	14.80
Water found atMetree / Kind of Water		Steel Fibreglass				Einal water level and		102.00
DTm Fresh Suphur		Plastic Concrete				of pumping 6 metres	<u></u>	10.00
						Recommended pump 4	50 4	11.33
O Dm Fresh Stellphur		Plastic Concrete				Shallow Deep	7 30 5	983
Other:		Galvanized				depth	1	- (
m Fresh Sulphur			Screen	1		Recommended pump 10	0.20 10	5.27
Cher:SaityMinerais	diam	Steel Fibreglass	Slot No.			(litres/mih) 15 If flowing give rate - 20	1. > 15 $4 \rightarrow 20$ 20	R133
After test of well yield, water was-		Galvanized		1		(litres/min) 25	5.78 25	1.11
Other specify	!	No C	asing or Scr	reen		ued, give reason.	6.76 30	$\frac{1.10}{1.10}$
TESTER						50	7.65 50	
Chiorinated ves No				58-9	12,12	60	20.64 60	
Plugging and S	ealing Reco	rd 🏹 Annula	r space	bandonment		Location of Well		
From To	/pe (bentonite s	lurry, neat cement slurry	) etc. (cubi	ic metres)	In diagram below	r snow distances of well from road $r$ arrow.	I, lot line, and bi	
58,21 55' Nest	-Cone	Former		36		Davien	Food	e and a second s
65.17 0 Bent	sit !	Sum	.8	6			JOINTON CONTRACTOR C	galest
		3			1.100000000000000000000000000000000000	FT Te		
W/ (9610						S 1-	)	
	Method of (	Construction				Ge Lawrence		
Cable Tool Rotary	(air)	Diamond	[	Digging		5 KM		
Rotary (conventional)	rcussion	Jetting		] Other		¥1 °''		
	Wate	r Use				5		
Domestic Indust	rial	Public Supp	ly 🗌	] Other		a Ta	f Involl:	<sup>k</sup>
Irrigation	pal	Not used Cooling & a	ir conditioning		Audit No.	CATOA Date Well (	Completed	
	Final Stat	us of Well				04/34	200377	PW 04
Water Supply     Recharge v       Observation well     Abandoned	vell I, insufficient st	upply Dewatering	L] Aband	oned, (Other)	Was the well ov package delivere	ner's information Date Delive	Jeo Try	pake p
Test Hole Abandoned	, poor quality	Replacement	nt well			Ministry Use Only		
	111001/180	mnoiait innormatic	***	1	L			

Well Contractor's

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Data Source

Date Received

Remarks

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MM DD

Contractor

MM DD Date of Inspection

Well Record Number

Insi	Ontario	Ministry of the Environment <b>ting Form</b>	Well T: A 059283 A 059283	mber below)	Well Record Regulation 902 Optorio Water Resources Act 7048488
0	For use in the <b>Provinc</b> All Sections <b>must</b> be c Questions regarding c	e of Ontario only. Th ompleted in full to avo ompleting this applica	is document is a permanent leg bid delays in processing. Furthe ation can be directed to the Wa	al document. Pl instructions and ter Well Help D	ease retain for future reference. I explanations are available on the back of this form. esk (Toll Free) at 1-888-396-9355.
0	All metre measureme	nts snall be reported	d to 1/10" of a metre.		Ministry Use Only

Please print clearly in blue or black ink only.		withs	try use only
Well Owner's Information and Location of Well Information	MUN	CON	LOT

RR#/Street Nu	Imber/Name	<u>+0_0</u>	ana Mar	leton (	<u>Sqack</u> City/Town/Vi	<u>de lore</u> Illage	Site/Compa	artment/Block/Tr	act etc.	
GPS Reading	NAD Zon	e Easting	No	rthing	Unit Make/M	odel Mode	e of Operation: Unc	lifferentiated	Averaged	
	813 \K	drock Ma	torials (see in	$\alpha (\beta (1777))$	Garn	him	Diffe	erentiated, specify_		
General Colour	Most common	material	Other M	laterials		Genera	al Description	Dep	th Metro	es
						conorc		Fro	m To	
		مربل و وسرمو	- 8							
	Usell	EX3	moione	2						
*****										
				*****						
							1			
Hole Dopth	Diameter		Con	struction Rec	ord		Tes	t of Well Yield	Baseyan	
From	To Centimetres	Inside	Material	Wall	Depth	Metres	Pumping test method	Time Water Level	Time Water L	/ Level
		centimetres		centimetres	From	То		min Metres	min Metre	es
		l		Casing			(metres)	Static Level		
		[	Steel Fibreglas	s			Pumping rate -	1	1	
Wata	r Dooord		Plastic Concrete				Duration of pumping	2	2	
Water found	Kind of Water	_	Galvanized	<u></u>			hrs + min		2	
	Fresh Sulphur		Plastic Concrete	5			Final water level end	3	3	
Gas	Salty Minerals		Galvanized				Becommended pump		4	
	Fresh Sulphur	[	Steel Fibreglas	s			type.	4	4	
Gas	Salty Minerals		Plastic Concrete				Recommended pump	5	5	
Other:		L	Galvanized				Becommended nump	10	10	
Gas	Fresh Sulphur Salty Minerals	Outside		Screen	ĺ	A	rate.	10	10	
Other:		diam	Steel Fibregias	s Slot No.			If flowing give rate -	20	20	
After test of wel	Il yield, water was		Galvanized				(litres/min)	25	25	
Other, speci	ify		No	Casing or Scr	een		ued, give reason.	40	40	
Chievineted		Г Г				1		50	50	
	Yes No	L						60	60	
Death ant at M	Plugging and Se	aling Recor	rd 🔣 Annu	lar space 🦳 A	bandonment	<u> </u>	Location of	of Well		
From 7	Material and typ	e (bentonite sl	urry, neat cement slur	ry) etc. Volur (cubi	c metres)	In diagram below Indicate north by	v show distances of well fr / arrow.	rom road, lot line, a	and building.	,
313 C	Benton	ite C	hips	0	FP0		<b>NI</b> N		TN	)
			•				Thead	<u>4 4 000 000 40</u>	$\leq$	
							J	10.6-	r	
							3 24.38	5 5 7.1		
				l				- 0- 1	1	
Cable Tool	M Botary (	ethod of C	Diamond	Г.	Digging		1 1 1	House	İ	
Rotary (conve	entional)	ussion	Jetting		] Other				1	
Rotary (rever	se) 🗌 Boring	10/	Driving	. <u></u>			ł		1	
Domestic	Industria	water	Public Sur	vlac	Other				•	
Stock	Comme	cial	Not used							
		Final State	Cooling &	air conditioning		Audit No.	72526		Y MM	DD
Water Supply	/ Recharge we	1	Unfinished	i 🗋 Aband	oned, (Other)	Was the well ov	vner's information Dat	te Delivered Y		DD
Observation	well Abandoned,	nsufficient su	pply Dewaterin	g	· .	package delivere	ed? XYes No	900	+0+1	9
	Well Cont	ractor/Tecl	nician Informat	ion			Ministry Us	e Only		
Name of Well Co	ontractor	100 -	٧	Vell Contractor's	icence No.	Data Source	Co	ntractor A R	22	
Business Addres	ss (street name, numb	er, city etc.)	ng	1011		Date Received	YYYY OF MM DD Dat	te of Inspection Y	YYY MM	DD
POBO	0×1083.	Prope	tto		Lipping - No	AUG 2	5 200/		<u> </u>	
Fera	COM. T	odd	· V	THAS	LICENCE NO.	Hemarks	We	Hecord Number		
Signature of Tec	hnician/Contractor		D	ate Submitted YYYY	MM PD					
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093613 7143672 Below) d Well Ministry of Ontario the Environment ct Regul Page of Well Owner's Information E-mail Address Well Constructed Last Name / Organization First Nam by Well Owner DN Telephone No\_(inc. area code) Rostal Code Province s (Street lunicipality Mailing Add Road DE 25onnade Dean 4 Well Location Concession Township Address of Well Locati and 6 eg FC Postal Code Province City/Town/Village istrict/Municipa County Ontario the awa-00 P UTM Coordinates Zone Municipal Plan and Sublot Number Other Easting Northing 5 29 R 38 5012262 411 NAD 8 3 18456961 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this for Depth (mitt) General Description Most Common Material Other Materials From General Colour Bouldar Ruely bond Alla. 112 re store + Sond Store Mix a 5 P Plan 902 34 Results of Well Yield Testing Annular Space After test of well yield, water was: Recovery Type of Sealant Used (Material and Type) Volume Placed Draw Down Depth Set at (m(t)) Time Water Level Time Water Level If pumping discontinued, give reason: (min) (m/ft) (m/ft) 188' (min) Neat Cenart 4,68 un Leve D'7' 10'8 68. Nest Bestar 0' 819" Pump intake set at (n(/t)) 11 7134 2 2 200' 717" 3 3 Pumping rate (Vmin( GPM) Method of Construction Well Use Duration of pumping 4 4 101 Public Commercial Not used Cable Tool Diamond Domestic Municipal Dewatering 10'1" Rotary (Conventional) Jetting 5 5 hrs + O min Driving Test Hole Monitoring Rotary (Reverse) Final water level end of pumping (m/l) Irrigation Boring Digging Cooling & Air Conditioning 10 10 10'2" 10' 8" Industrial Ar percussion 10'3" Other, specify Other, specify 15 15 If flowing give rate (Vmin+GPM) **Construction Record - Casing** Status of Well 10'4" 20 20 Recommended pump depth (noft) Inside Open Hole OR Material Wall Depth (m/ft) Water Supply Diameter Thickness 10'5" (Galvanized, Fibreglass, Concrete, Plastic, Steel) 25 Replacement Well 25 40' From To (cm/in) (cm/in) Test Hole Recommender (Vmin / GPM) 0'6" ded pump rate 86 30 30 198' Recharge Well ta' deel 188 3 Dewatering Well 0 40 10'612 40 198 Observation and/or Well production (Umin GPM) 220 Monitoring Hole 50 50 7" 0 Alteration fected? (Construction) 10'84 60 60 No No Abandoned, Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back Water Quality Outside Depth (m/ft) Material Diamete (cm/ln) Slot No Abandoned, other, Platic Galvanized, Steel) From 0 То # 7313 Blue specify OC-1 ercres. Other, specify erst Hole Diameter 3 Water Details Depth (m/ft) Diameter Water found at Depth Kind of Water: Fresh Stuntested olkm. 160 From То (cm/in) 207 (mm) Gas Other, specify 6" 1 Water found at Depth Kind of Water: Fresh Contested 220 Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Well Contractor's Licence No Name of Well Contracto D 1119 Idress (Street Number/Name) IE Municipality Comments 14 ICHMONI Postal Code Business E-mail Address KoAD20 Well owner's Ministry Use Only Date Package Delivered nformation backage Audit No. a code) Name of Well Technician (Last Name, First Name) 20100226 z108246 PURCEL 382170 SCHANNEN delivered Work Completed Yes No APR 2 2 2010 cian and Ø 00329 210 20100219 © Queen's Printer for Ontario, 2007 Ministry's Copy 0506E (12/2007)

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Ministry of the Environment



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Measurements recorded in: X Metric Imperial

Address of	Well Location (	Street Nur	nber/Name)		T	ownship	>6	. Ha 2. 1	1 Dr	E Cor	rcession	
720	3 Perl	enay	BO.		-	USGO	odelci	yor one	nc) tart :	Province	D Postal	Code
County/Dis	trict/Municipalit	N/			C	ity/ lowru viik	age	1 city of	ottawa	Ontari	o K4	PIKG
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NAD	83181	4563	365	0125	43							
Overburde	en and Bedro	ck Materia	als/Abando	nment Sea	ling Reco	rd (see instru	ctions on the	back of this form)			Dec	th /m/#1
General Co	olour N	Aost Comm	non Material		Oth	er Materials			General Descripti	on	From	To
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	CATALON CONTRACTOR		Annular	Space		12122414144	*********		Results of	Well Vield T	Testing	Transfer Transfer
Depth Se	et at ( <i>m/ft</i> )	17	Type of Sea	lant Used	212242222	Volume	Placed	After test of well	yield, water was:	Draw	Down F	Recovery /
From	То		(Material an	d Type)		(m <sup>3</sup>	/ft³)	Clear and	sand free	Time W	ater Level Time	Water Level
0	1.21	Bent	inte.	+ Hushi	cover	-/cent		U Other, spe	NOT	Static F	ED (1111)	(rone)
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1.01	201	5	JAND						/ mon	ror tog	1	
								Pump intake se	et at (m//ft)	hell	2	
		and the second s		-						3	/ 2	
Meth	hod of Const	ruction	tes Infinite		Well Us	e		Pumping rate (	Vmin / GPM)	3		
Cable To	ool	Diamono	I DPut	olic	Comme	rcial	Not used	Duration of pur	mping	4	4	
Rotary (	Conventional)	Jetting		mestic	Municipa	al 🗌	Dewatering	hrs +	min	8	5	
Boring	10001367	Digging		gation	Cooling	& Air Conditio	oning	Final water leve	end of pumping (m	111 10	10	
Air percu	ussion			ustrial					/			
U Other, sj	pecity			ier, specity _				If flowing give r	rate (I/min / GPM)	15	15	
Incida	Const	ruction R	ecord - Cas	Depth	(m/ft)	Status	of Well	Bacammanda	A DUMOD denth (m/lt	20	20	
Diameter	(Galvanized, F	Fibreglass,	Thickness	From	To	Replace	ement Well	Recommender	a pump depar (men	25	25	
(chun)	Concrete, Plas	stic, Steel)	(cm/in)		10	Test Ho	le	Recommended	d pamp rate	20	20	
5.08	'Ylas	ĥo	2,40	0	1.52	Dewate	ge Well ring Well	(I/min / GPM)		30	30	
						Cobserva	ation and/or	Well production	n (l/min / GPM)	40	40	
		1.089				Monitori Alteratio	ng Hole			50	50	
						(Constr	uction)	Disinfected?	No	60	60	
						Insuffici	ent Supply	1163 []]	10			
Outside	Cons	struction R	ecord - Scre	en Deoth	(m/8)	Abando Water (	ned, Poor	Please provide	a map below followi	ng instructions	s on the back.	
Diameter (cm/in)	(Plastic, Galvan	nized, Steel)	Slot No.	From	То	Abando	ned, other,		< 0	4.1	E m	-
E ad	31.0		0.10	1.50	204	specify			Jee 4	nach	Tor Mil	q.
2.00	1431		01.0	12	5-1	Other, s	specify	GPS	EASTING	•	Northin	'S
		1000						m.w. #1	456312	2 5	501262	0
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Water four	nd at Depth Kir	Other, spend of Wate	r: Fresh	Untested	0	2.04	15.24	1 3	43604	2	0012 01	Č.
(1	n/ft) Gas	Other, spe	ecify		0	5-1	13-511	29	45620	16	50125	37
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(11	n/ft) 🗌 Gas 🗌	Other, spe	ecify			1		#6	43620	1)	201220	49
	Well	Contracto	or and Well	Technicia	n Informat	tion						
Business N	Name of Well Co	ontractor	5		We	Contractor's	Licence No.					
Business A	Address (Street	Number/Na	ame)		Mu	nicipality	-	Comments:				
279	8 Drive	-In P	,D			Nepar	ee	All SIV	monitor		2 6	2.6
Province	Post	al Code	Business	E-mail Add	ress			Let Six		2 men	shore su	muler tec
on	× K7	R32	1) 80	13.11.	zem	ycants	·ca	Well owner's	Date Package Deliv	ered	Ministry Us	e Only
Bus.Telepho	one No. (inc. are	a code) Na	ame of Well T	echnician (L	ast Name,	First Name)		package	YYYYYM		Z N9	7417
Well Technic	cian's Lipence No.	Signature	of Technicia	n and/or Co	ntractor De	e Submitted		Yes	Date Work Complet	ed	ALIC 25	2010
120	2 5 1	- g. ioiture	500	unaren ere	2	3190	6 63	X No	20100	13	AUG Z J	2010
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Well Own	er's Inforn	nation	st Name / O	rganization				E-n	nail Addre	ISS			] Well C	Constructed
City	of	ottaw	a Cl	D				Dro	vince	Postal Code	T	elephone	by We No. (inc.	area code)
Mailing Addr	Hess (Street M	Vumber/Nam	e) rier A	ve W	IMU C	Hawa		0	N	KIPIS	SI			111
Well Locat	tion	Dur								Lat		oncossio		
Address of V	Vell Location	(Street Num	iber/Name)		То	wnship				LOI		1011003310		
County/Distr	rict/Municipa	lity	- NC		Cit	ty/Town/Village					Provinc	e	Postal	Code
UTM Coordin	nates Zone .	Easting	, Nor	thing	M	unicipal Bran and	Sublot	Numb	ər		Other	110	1.1.1	
NAD	8 3 1 8	4564	4950	0121	565								-	1
Overburde	n and Bedr	ock Materia	Is/Abandor	nment Sea	ling Recon	d (see instructions r Materials	on the l	back of t	his form)	Seneral Description	1000 C		Dep	th ( <i>m/ft</i> )
General Co	your 4	Sand	on Material		517	- matomato		50	44	day			ð	1.22
Drn	-	Sill		(	2/4			50	¢,	moist	L		1,22	3.66
Gry		marel		4	Tend			Har	d	Wet		-	3.66	5.18
-0.7		51 000-1			une	N. C. Star			~		( Second			
											6.9			
Depth Se	t at (m/ft)		Annular Type of Sea	Space lant Used		Volume Place	ed	After t	est of well	yield, water was:	Dra	aw Down	<b>9</b> F	Recovery
From	То	0	(Material an	d Type)		(m²/ft³)			lear and s	and free	Time (min)	Water Lev (m/ft)	vel Time (min)	Water Level (m/ft)
0	3,35	Ber	iseal					If pum	ping disco	ntinued, give reason:	Static	2		
3.35	3.18	Sar	nd								1		1	
		1111						Pump	intake se	t at ( <i>m/ft</i> )	2		2	
				<u></u>				Pump	ing rate ()	/min / GPM)	3		3	
Meth	nod of Con	struction		alic	Well Us	e vcial 🗌 Not u	ised	- unip	ang rene (a		4		4	1919
Rotary (C	Conventional)	Jetting	Do	mestic	Vunicipa		atering	Durat	ion of pun hrs +	nping min	5		5	Stand .
Boring	(everse)	Digging		estock pation	Cooling	e Monr & Air Conditioning	toring	Final	vater level	end of pumping (m/lt)	10		10	a sugar
Air percu	ission becify		_ Ind	ustrial ner, <i>specify</i> _				If flow	ing give r	ate (I/min / GPM)	15		15	S. C. S. S.
	Con	struction R	ecord - Cas	ing		Status of W	/ell		ing give it	and farmers of my	20		20	
Inside Diameter	Open Hole (Galvanized	OR Material , Fibreglass,	Wall Thickness	Depth	( <i>m/ft</i> )	Water Supply	Well	Reco	mmended	pump depth (m/ft)	25		25	
(cm/in)	Concrete, F	Plastic, Steel)	(cm/in)	FIOIT	211	Recharge We	all	Reco	mmended	pump rate	30		30	
3.20	PVL		,510	0	2,00	Dewatering V	Vell	(umm	/ GPMJ		40		40	
	1000					Monitoring Ho	ind/or ile	Well	production	ı (I/min / GPM)	50		50	
1.2.54	100					(Construction	1)	Disinf	ected?	la	60		60	
	Co	netruction R	ecord - Scre	en		Insufficient S	upply			Map of W	/ell Loc	ation		
Outside	Ma	terial	Slat No.	Dept	n ( <i>m/lt</i> )	Water Quality	y y	Pleas	e provide a	a map below following	g instruct	ions on th	e back.	C.
(cm/in)	(Plastic, Gal	vanized, Steel)	1.5	From	To	specify	ouner,	1			~ ~	~~~		v 1
6.03	PUL	-	10	3,66	5.18	Other, specif	y		XXX	* < **				×
								1	2	F	1 [	7		y x
Water four	nd at Depth	Water De Kind of Wate	tails r: Fresh	Untested	H Dept	th ( <i>m/ft</i> ) Dia	meter	24	××		) [	_		Y & Fenc
(1	n/ft) Gas	Other, spe	ecify		From	TO (C	mvin)	4	K	_				Y .
Water four	nd at Depth	Other. sp	er: Fresh	Untested	U	2110 10	1 101	Ban	×	E			3	
Water four	nd at Depth	Kind of Wate	er: Fresh	Untested					*	2000			,	
(n	n/ft) Gas	Other, sp	ecify	Technicis	in Informer	tion			4×××	XXXXXX	X×	XXX	XXXXXX	6
Business N	lame of Well	Contractor	or and well	rectificia	We	ell Contractor's Licer	nce No.	-		Parkuza	24	Rd	15m	
Stra	ta Sc	et Number/M	mplin	g In	C	I 2 4	1	Com	nents:	10-100-	+			
147-2	West	Beaver	Creek	Roa	d Ri	ichmond	Hill							
Province	Po	ostal Code	Busines	s E-mail Ad	dress	+		Well	owner's	Date Package Deliver	ed	Mir	nistry U	se Only
Ontario LUI C 6 Wrecords Ostratasoil. Cam Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)						Gin	inform	ge	Y Y Y Y M M	pla	Audit No	110	100	
905-	905-764+9304 Muit Mike							delive	red /es	Date Work Completed	4	NOV	LLJ BA	2840
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Depth (m/ft) m To

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11.

Recovery

(min)

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13199

Date Work Completed

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Yes

No No

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(m/ft)

Fro 0

Concession Address of Well Location (Street Number/Name) Township 7203 Parkway Rd County/District/Municipality Province City/Town/Village Greely Municipal Plah and Sublot Number Ontario Other UTM Coordinates Zone Easting Northing NAD 8 3 1 8 4 5 6 7 9 0 5 0 1 2 5 8 8 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) General Description Most Common Material Other Materials General Colour Soft, dry BRN Sand 3.1 5:17 Soft, wet Sand hand, Saturated 8.53 Grave **Results of Well Yield Testing** Annular Space After test of well yield, water was: Type of Sealant Used (Material and Type) Volume Placed Draw Down Depth Set at (m/ft) Clear and sand free Time Water Level Time Water Level From (m3/ft3) (min) (m/ft) Other, specify . 31 Concrete Flashmand Statio If pumping discontinued, give reason: Leve 9.45 .31 Benseal 1 11.28 Sand 9.45 Pump intake set at (m/ft) 2 3 Pumping rate (I/min / GPM) Well Use Method of Construction 4 Diamond Public
Domestic Not used Rotary (Conventional) Commercial Duration of pumping Dewatering Municipal 5 hrs + min Driving Livestock Monitoring Rotary (Reverse) Gest Hole Irrigation Cooling & Air Conditioning Final water level end of pumping (m/ft) Boring 10 Industrial Air percussion Other, specify Dirdet Pash Other, specify 15 If flowing give rate (I/min / GPM) Construction Record - Casing Status of Well 20 Open Hole OR Material Depth (m/ft) Water Supply Recommended pump depth (m/ft) Inside Wall (Galvanized, Fibreglass, Concrete, Plastic, Steel) Thickness (cm/in) Diameter Replacement Well 25 From То (cm/in) Test Hole Recommended pump rate (Vmin / GPM) 9.75 30 .39 PUC Recharge Well 0 5.20 Dewatering Well 40 Debservation and/or Well production (I/min / GPM) Monitoring Hole 50 Alteration Disinfected? (Construction) 60 Abandoned, Insufficient Supply Yes No Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back Outside Water Quality Depth (m/ft) Material (Plastic, Galvanized, Steel) Diamete (cm/in) Slot No. Abandoned, other, specify From To PUC 9,75 XXXX 6.03 10 11.28 XXXX YXXXXX Other, specify E 100m Water Details **Hole Diameter** Y Depth (m/it) Water found at Depth Kind of Water: Fresh Untested Diameter (cm/in) 75m From To (m/ft) Gas Other, specify ¥ X 10,92 11.28 0 Ban Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify XXXXXXXXXX YXX Well Contractor and Well Technician Information Business Name of Well Contractor Parkway 7241 Strata Soil Sampling Inc Business Address (Street Number/Name) Municipality Comments 147-2 West Beaver Creek Road Richmond Hill Province Postal Code Business E-mail Address LHBICOWrecords@StrataSoil.com Well owner's information Ministry Use Only Date Package Delivered Ontario Audit No. Bus.Telephone No. (inc. area code) Name of W package delivered YYYYMMDD z1 19105-7164-9304 Mars, Mike Well Technician's Licence No. Signature of Technician and/or Contractor Dr.

A10	5538 3elow) 7154647
Messurements recorded in: Metric Mimperial A10	5538 regulation sus officianto water resources Act Page of
measurements recorded in:	
sacii Focation	
Address of Well Location Greet Number/Name) 47300 Blue Lotter Crescent	A OSGOOD Lot 6 S
UTM Coordinates Zone, Easting, Northing Municipal Plan	Geely Ontario
NAD 8 3 8 456833 50 3723	flan # AM-1398 OLL#
General Colour Most Common Material Other Materials	General Description Depth (m/m) From To
Sand, Gravel + Bond	ders 8' 30'/2'
White Sandstone	144' 240'
Annular Space           Depth Set at (n(n))         Type of Sealant Used         Volume F           From         To         (Material and Type)         (m(n))	Results of Well Yield Testing           Placed         After test of well yield, water was:         Draw Down         Recovery           Clear and sand free         Time         Water Level         Time         Water Level
198' 188' Nest Const Slurry 9.	36 Other, protection (min) (min) (min) (min) (min) (min) (min)
188' O' NEXTRE-ABADES WILY 109.	$\frac{1}{9} \frac{1}{8} \frac{1}{1} \frac{3}{20}$
Mathad of Construction Wall Llos	Pumping rate ( <i>l/min</i> GPM) 2 0.8 2 0.8 3 16'9' 3 7'9"
Cable Tool     Diamond     Public     Commercial     N       Rotary (Conventional)     Jetting     Domestic     Municipal     D	lot used Duration of pumping
Rotary (Reverse)     Driving     Livestock     Test Hole     N     Boring     Digging     Irrigation     Cooling & Air Condition     Industrial	Instruction         Instruction
Construction Record - Casing Status of	If flowing give rate (1/min / GPM) 15 B('2' 15 20 20 20 20 20 20
Inside Open Hole OR Material Wall Depth (m/ft) Water Su Diameter (Galvanized, Fibreglass, (cmvin) Concrete, Plastic, Steel) (cmvin) From To Test Hole	pply nent Well 3444P1S 50' 2533'7" 25
6" Steal .188" + 2' 198' Recharge	well (Imin_GBM) (GBM) (G
Monitoring Alteration (Construct	tion) Disinfected?
Construction Record - Screen	ed, Poor Map of Well Location
Outside Diameter (Plastic, Galvanized, Steel) Slot No. Depth (m/ft) Water Qu Abandone specify	ed, other,
Other, sp	ocity tarkhay fear
Water Details         Hole Diamete           Water found at Depth Kind of Water:         Fresh         Depth (m/ft)	r Diameter 5 150 150
Water found at Depth Kind of Water: Fresh Pontested	
Water found at Depth Kind of Water: Fresh Untested 198 245	515/16/25 # 1300
Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor Well Contractor	icence No. B Crescent
AIR POCK DRILLING COLTDIIII	Comments:
Province Postal Code Business E-mail Address	
Bus. Telephone No. (inc. area code) Name of Wigill Technician (Last Name, First Name)	information package delivered
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted	29 No Date Work Completed No No Date Work Completed ReceNDV 1 7 2010
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Measurements recorded in: Metric Amperial TTO 16C	) <del>{  </del> Page	of
Well Owner's Information         I           First Name         Last Name / Organization	LI E-mail Address Co	ell_Constructed
Mailing Address (Street Number/Name) (Monicipality	Province Postal Code Telephone No. (	Well Owner
120x 250, 7275 Brkuby Load (5	Rely Brati KAPIN	1011
Address of Well Location (Street Number/Name)	et Sector	
Gounty/District/Municipality	A Province Point	
UTM Coordinates Zone, Easting, Northing Municipal Plan and Suble	t Number Other	
NAD 8 3 184567315919725	<u></u>	
General Colour Most Common Material Other Materials	General Description	Depth ( <i>n(n</i> ) n   To
Send, Gravely Boulde	<u>10</u>	24:
Gray Line sctore	t - 2 DAILE	- 116
- Gray series store & Lines	love linx like	· 46'
where so rets lave		
	000 31740 11 400	ma. D.L
Frangod AL32 Cons ALS K	15K-51 19-19-17, 4K2	SUEL
Annular Space	Results of Well Yield Testing	-
Depth Set at (n(/t))     Type of Sealant Used     Volume Placed       From     To     (Material and Type)     (m'/t2)	After test of well yield, water was: Clear and Safet free Time Water Level Time	Recovery ne Water Level
198' 188' Meat Cerrent Sturry 7,8	If pumping discriticated, give reason: Static 2 1 / 1	$\frac{n}{(mvn)}$
188' O' Nest pertonde Sturity 235.2		4 *
	Pump intake set at $(m(t))$ 25 (61)	2 3'6"
Method of Construction Well Use	Pumping rate (1/min /GPM) 35'7'' 3	3
Cable Tool Diamond Public Commercial Not used	Duration of pumping	<b>↓ ↓ ↓</b>
Rotary (Reverse)     Driving     Livestock     Test Hole     Monitoring     Digging     Digging     Digging     Digging	Final water level end of pumping (m/t)	;
Air percussion     Industrial       Other, specify     Other, specify		5
Construction Record - Casing Status of Well		0
Inside Open Hole OR Material Wall Depth ( <i>m/h</i> ) Water Supply Diameter (Galvanized, Fibreglass, Thickness ( <i>cm/in</i> ) Concrete, Plastic, Steel) ( <i>cm/in</i> ) From To Replacement Well	Recommended pump depth (m(77) 25 6F 2	5
$\begin{array}{c c} & & \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline$	Recommended pump rate (//min (SPM) 30 3	0
61/2" Por Pato 198' 540' Dewatering Well Observation and/or	Well production ( <i>l/min / QPM</i> ) 40 7 4	0
C C C Monitoring Hole	Disinfected? 50 6 FT 1 5	0
Abandoned, Insufficient Supply	60 - 6	
Construction Record - Screen         Abandoned, Poor           Outside         Material         Depth (m/ft)	Map of Well Location Please provide a map below following instructions on the back.	
Diameter (Plastic, Galvanized, Steel) Slot No. From To Abandoned, other, specify		
	1021	
		1
Water found at Depth Kind of Water: Fresh Quitested Depth (m/ft) Diameter	0 3KM 6	)
Water found at Depth Kind of Water: Fresh Untested	B	
(m/ft) Gas Other, specify	371 # 70	J15
( <i>m/fl</i> ) Gas Other, specify	V C	way
Well Contractor and Well Technician Information           Business Name-of Well Contractor         Well Contractor's Licence No.	El Part	200d
AIR Kock DRILLINGCOLTD 11(19)	Comments:	$\sim$
Ref (		
Province Postal Code Business E-mail Address	Well owner's Date Package Delivered Ministry I	Jse Only
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name)	package delivered	0826
Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted	Date Work Completed	9 2010
0506E (2007/12) • Queen Printer for Ontario, 2007 Ministry's Conv		~ 2.410

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Managurama		the En	vironm	ent	arial	-	A105	542			Regul		Page		of
Well Own	ner's Info	rmation	letric	Hump	erial								ruge_		
First Name		L	ast Nam	ne / Org	anizatio	n			E-mail Ad	ddress				Well C	onstructed
Mailing Add	fress (Stree	t Number/Nan	ne)	Ome	ga I	lomes	C/O 7184 Municipality	841 Ca	Province		Postal Code	Т	elephone N	by We	I Owner area code)
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Overburde	en and Be	drock Materia	als/Aba	ndonm	ent Se	aling Rec	ord (see instr	ructions on the	back of this for	m)	Description	KOP-LET /		Dept	h (m@D
General Co	DIOUR	Most Comm	ion Mat	enal		01	ner Materials	5		Genera	Description	1		From	To
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								1							
			Ann	ular Sn	ace					Re	sults of W		Testing		
Depth Se	et at (mm)		Type of	f Sealan	t Used	185	Volum	e Placed	After test of w	ell yield, wa	ater was:	Dra	aw Down	Re	covery
100'	100	North	C	ai and T	Ype)		1	36	Clear and Other, st	d sand free	e lot teste	(min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
198	188	Near	Le	men	130	urg			If pumping dis	seontinued,	give reason:	Static Level			
188	0	Nebet	pero	Par-	RN	wry		5	X	J		1		1	100
									Pump intake	set at (m	Ð	2		2	
						<u></u>			Pumping rate		200	3		3	
Meth	nod of Co	Diamond		Public		Well U	se ercial	Notused	20	)	9	4		4	
Rotary (C	Conventional	) Jetting	×	Domes	stic	Municip	pal	] Dewatering	Duration of p	oumping		5		5	
Boring	(everse)	Driving Digging		Livesto	on	Cooling	ole L g & Air Conditi	j Monitoring ioning	Final water lev	vel end of p	oumping (m/ft)	10		10	
Other, so	ission becify			Indust	ial specify				21'	3"		10		10	1
	Cor	nstruction R	ecord -	Casin	3		Status	s of Well	If flowing give	e rate (Vmir	1 / GPM)	15		15	
Inside Diameter	Open Hole (Galvanize	o OR Material	Wal	200	Dep	th (mat)	Water	Supply	Recommend	ed pump o	lepth (not)	20		20	
(cm/in)	Concrete,	Plastic, Steel)	(cm/ii	n)	From	То	_ Test H	cement vvell ole	Recommend	ed nump r	15qpm)	25		25	
6"	Stee	l	218	8" +	.21	198'	Recha     Dewate	rge Well ering Well	(Vmin / GPM)		aic	30		30	
6"	Open	hole		1	98'	220'	Observ	vation and/or	Well producti	ion (Vmir	GPM	40		40	1.2.1.1.1.1
							Alterat	ion	Disinfected?			50		50	
	12.23						Aband	oned,	Dyes 🗆	No		60		60	
Outside	Co	onstruction R	ecord -	Screen			Aband	oned, Poor	Disconsid		Map of W	ell Loc	ation		
Diameter	(Plastic, Ga	aterial Ivanized, Steel)	Slot N	No.	Dept From	th ( <i>m/ft</i> )	Water Aband	Quality oned, other,	Please provid	e a map be	now following	Instructio	ons on the b	ack.	
louvily	-		/		_		specify	'		Par	kwai	1 +	food		
			_	-			Other,	specify			A	[			
	6	Water Dat	aile				Hala Diama					E	Blue		
Water found	d at Depth	Kind of Water	r: Fre	sh 🔍	Intested	d Dep	pth ( <i>m/ft</i> )	Diameter		2	Kml		0	No.fe	CC.
208 (7)	Gas	Other, spe	cify	×		From	То	(cm/in)		00					Les
Water found	v/ft) Gas	Other, spe	r: Ere	ish ∐l	Intested	1	0 220	6							)
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(m/	ı/ft) ⊡Gas	Other, spe	cify	1.11.7	-				. (	XC.	her?	-	white	rs	Edge
Business Na	ame of Well	Contractor	r and V	vell Te	chnicia	an Informa	ell Contractor's	s Licence No.		0	~	1	verte	in	n
Air Ro	ock Drilli	ng Co. Ltd.	The state	Disel.	EX.	Contras des	1119					1			
Business Ad 6659	Franktov	n Road, R	me) R#1	Jacker		M	Richmon	nd	Comments:	1		1			
Province	P	ostal Code	Busi	ness E-	mail Ad	dress	- Section of the		3/4+++	2-159	AMQI	00'	)		
ON Bus Tolopho	no Ne Gar	KDA 2ZO	mosfit	(oll Test	air-ro	ck@sym	patico.ca		Well owner's information	Date Pac	kage Delivere	ed	Minist	ry Use	Only
613920	82170	nea code) Na	G	raham	Rua	Last Name,	, First Name)		package delivered	Y 1 Y 20	11 1019	0 20	Z	137	165
Well Technicia	an's Licence	No. Signatore	of Tech	nician a	nd/or C	ontractor Da	ate Submitted	09 30	Yes	20	111 09	16			-00
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Regulation 903 Ontario Water Resources Act
Page \_\_\_\_\_ of \_\_\_\_\_

Address of	f Well Locat	tion (Street Number/Na	ownship	Lot Conc			Concession	ssion			
147 County/Dis	6 Wate	er's Edge Way	and a second		Osgoode		6		5	1.0.11	
	tawa-C	arieton	. Northing	M	Greely	Iot Number Other				Postal	Code
NAD	83	18 456995	501	2313	4M-1398	S/I 10			1 10		
Overburd	len and Be	edrock Materials/Aba	ndonmen	t Sealing Reco	rd (see instructions on the	back of this form)				Deed	the (mate)
General C	Polour	Most Common Mat	erial	Othe	er Materials	Genera	al Description	n		From	To
Grey		0	lay	0 0		and the second second	Sector Bri	e rage alle at	dial in	0'	6
		11	and.	Foravel	- + Boulders	5				6'	24
Grey		Li	mestone				() () erene			24	144
Grey		S	andstone	9	Limestor	ne Mux				144	168
White	2	S	andstone				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		21.5 M	168	206
White	2	S	andstone	the second second		Contraction and	in the second	No. A		206	211
Whi-	te	S	andstone	and the second second			<u> </u>	1267		211'	220
						1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 -			en la		
Depth S	et at (mut)	Ann	ular Space		Makana Diasad	R	esults of W	ell Yiel	Id Testing		Section 1
From	To	(Materi	al and Type	)	(m <sup>3</sup>	Clear and sand fre	aller was. ee	Time	Water Leve	Time	Water Level
198	188	Neat cement	Slurri	q	9.36	Other, specify	Not teste	(min) Static	(mvît)	(min)	(m/ft)
188 '	0	Bentonite slu	my	labora de espectadade en concerna de pela capitario	71.4		i, give reason:	Level	11.8		29
			-		ALC: NO.	N	0	1	20.7	1	23.8
	1.12	A COLORADO				210	φ.	2	23.1	2	19.1
Metl	hod of Co	onstruction		Well Use		Pumping rate (I/min 10	FM	3	24.8	3	14.7
Cable To	ool	Diamond	Public	Commer	cial Not used	20 Duration of pumping	in faite and	4	26.1	4	12.5
Rotary (	Conventiona Reverse)	Driving	Domestic Livestock	Municipa	Dewatering	hrs +m	in	5	26.8	5	11.8
Boring	ueelon	Digging	Irrigation	Cooling &	& Air Conditioning	Final water level end of	pumping (m/ft)	10	28.1	10	11.8
Other, s	pecify		Other, spe	cify		29 If flowing give rate ///m	in ( GPM)	15	20.1	15	44.0
1999	Co	nstruction Record -	Casing		Status of Well	X Iowing give rate tom	uri Grimj	20	28.7	20	11.8
Inside Diameter	Open Ho (Galvaniz	le OR Material Wall ed, Fibreglass, Thickne	855	Depth (m/ft)	Water Supply	Recommended pump	depth (nm	20	28.9	20	11.5
(cmtm)	Concrete,	, Plastic, Steel) (cm/ir	11 From	n To	Test Hole	Recommended pump	rate	25	29	25	11.8
6	Steel	.18	8 +2	2 198	Recharge Well     Dewatering Well	(Vmin / @@#))		30	29	30	11.8
618	Open	Hole	19	38' 220'	Observation and/or	Well production (I/min /	(ED)	40	29	40	11.8
					Alteration	20 Disinfected?	Street Street	50	29	50	11.8
					Abandoned,	Aes No		60	29'	60	11.8
	С	onstruction Record -	Screen	ancours	Insufficient Supply Abandoned, Poor		Map of W	ell Loc	ation		
Diameter	(Plastic, Ga	laterial alvanized, Steel) Slot N	0. Eror	epth (m/ft)	Water Quality Abandoned, other	Please provide a map b	elow following	instruct	ions on the b	ack.	
Carbony	-		- 110	10	specify				~		
					Other, specify	Pa	rkwe	24	for	ad	
	6						^	1			-
Water foun	nd at Depth	Kind of Water: Fre	sh 🕞 Writes	sted Depth	(m/ft) Diameter		1	1			
208 (m	Gas	Other, specify	X	From	To (cm/in)	34	m	1 +	+ 1 x-	71	
Water foun 211	d at Depth	Kind of Water: Fre	sh Xontes	sted 0	198 6	001	.	1 -	* (+	16	
Water foun	d at Depth	Kind of Water: Fre	sh Untes	sted 196	3 220 61/8"				whate	ris	
(m	n/ft) 🗌 Gas	Other, specify		_		01	V		Ed	ge	
Rusiness N	W ame of Wel	ell Contractor and V	ell Techn	ician Informati	on	Qee	95!		we	in.	
Air Ro	ock Drillin	ng Co. Ltd.		vveil	1119	100	15	1			
Business A	ddress (Stre	eet Number/Name)		Mun	icipality	Comments:	12 10 10 10				
Province	P	ostal Code Bueir	less E-mail	Address	tion non a	Pmos TT	7				
ON		KOA 2ZO	air-	rock@sympa	tico.ca	Well owner's Date Pag	kage Delivere	d	Minist	ry Use	Only
Bus.Telepho	one No. (inc.	area code) Name of W	ell Technicia	an (Last Name, F	irst Name)	information package	adre las hand	phra	Audit No.	0.000	100
Well Technici	an's Licence	No. Signature of Tech	ham, Ry	Contractor Data	Submitted	Date Wo	rk Completed	02	z⊥	286	28
T348	34	Konx	0		2011 0 9 30		11 08	25	Rectioned 1	7 0	200
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	Ario Minist the En recorded in:	ry of wironment Metric Mumperial	We	A113160 A113160	int Below)	Regulation	n 903 (	<b>VV</b> Ontario Wa Page	en r nter Res	ources Ac
Vell Owner's	Information	ast Nomo / Organizatio	n							
ist name	E	Picasso H	omes		E-mail Address			0	Well C by We	Constructed
lailing Address (	(Street Number/Nar	me)		Municipality	Provínce	Postal Code	1617	Telephone	No. (inc.	area code)
/ell Location				Greely		<u>    R47  </u>	<u>                                      </u>	<u> </u>		
ddress of Well L	ocation (Street Nur	mber/Name)	<u>'</u>	Township		Lot		Concessio	Π	
ounty/District/M	lunicipality	vvay		City/Town/Village		D	Provir	D Ice	Postal	Code
Ottawa-	-Carleton	Connection of the second star in the second s	Ar forde a Carrado General a carrado	Greely	+		Ont	ario		
NAD 83	18 4569	56 50123	61	Municipal Plan and Subi	ot Number		Other	7		
verburden and	d Bedrock Materi	als/Abandonment Se	aling Rec	ord (see instructions on the	back of this form)				Don	th (m\$78))
Seneral Colour	Most Comn	non Material	Ot	her Materials	Gener	al Description			From	
~					· · · ·				0	4
Grey	an an an an an an an ann an an an an an	Gravel	n en des angenden fat T	Boulders			•		4	20
Grev	a strand and the card	Limestope	an an an an an Araba an Araba an Araba an Araba an Araba an Araba an Araba an Araba an Araba an Araba an Araba		land and the second second second second second second second second second second second second second second s	n an an an an an an an an an an an an an	vest i	<u></u>	20	420'
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White	· · · · ·	Sandstone	t magin and asses		an contraction and a second	n a nava an an an an an an an an an an an an an	wer in des		169	209
White	<ul> <li></li></ul>	Sandstone	en en en en en en en en	will the second s	a an an an an an an an theodor and generality of	e har fel skipe er er skare	iki napr		209	214 1
White	ee orala seessaa kutoo kariitaa kutoo	Sandstone	Land Longe Alash Share	ana ina ing politika aya marika	ernang ol sagarik madago gadoon aya	e and the first and the		engen and sta	214 (	2201
Depth Set et (m	ഞ പ	Annular Space		Values Director	After test of well viold	lesults of We	ell Yie	d Testing	1 1	
From T	10 10	(Material and Type)		(m452)	Clear and sand fr	ee	Time	Water Leve	I Time	ecovery Water Leve
198 - 18	8 Neat-ce	mentSlurry	nan kender die die die die die die die die die die	1,4 - 1997 - 10,9 Million - 10,9	If pumping discontinue	<b>Vot teste</b>	( <i>min)</i> Static	(m/it) วัA	(min) 4	(m/ft)
188	Bentoni	ite slurry	11 20 14	67.2	X		Level	10.0	1	-31.2 
					Pump intake set at (	Ð	2	10.0	2	48.0
					200		3	40.7	2	44 7
Method o	f Construction		Well Us	se	Pumping rate (I/min &	SPM)	4	10.8 20.5		
Rotary (Conven	itional)	Domestic		bal Dewatering	Duration of pumping		5	20.0		0.8
] Rotary (Reverse Boring	e) Drivîng	Livestock	Cooling	ole 🗌 Monitoring g & Air Conditioning	Final water level end of	pumping (m/it)	10	22.1	10	3.8
Lir percussion Other, <i>specify</i>		☐ Industrial ☐ Other, <i>specify</i>				All Alexandra gan Arriban Tha Arriban Tha Arriban	15	20.3	16	2.4
	Construction Re	ecord - Casing		Status of Well	If flowing give rate (I/m	nn / GPM)	20	28.4	20	2.4
Inside Ope Diameter (Gal	en Hole OR Material vanized, Fibreglass,	Wall Depth Thickness	n ( <i>m/ft)</i>	Water Supply	Recommended pump	depth (mate)	20	29.2	20	2.4
(cm/in) Cond	crete Plastic, Steel)	(cm/in) From	10	Test Hole	Recommended pump	HHP-159pn rate	20	29.5	20	2.4
Ste	2013: Standard Barbards 	.188 +2	198	Recharge Viell 2004     Dewatering Well 2004	( <i>l/min / @M</i> ) 20	nyakeretinin gehatan dip M	40	30.2	30	2.4
716" Op	en Hole	198	220	Observation and/or Monitoring Hole	Well production (Vmin	(GPM)	540 50	30.8		2.4
				Construction (Construction)	Disinfected?	i Minini Kenganining Kenga	400.4 60	8.08 SU.S	, 50 4 co	2.4
				Abandoned, Insufficient Supply		AA		31.2	<u> </u>	2.4
Outside	Material	Depti	n ( <i>m/ft</i> )	Abandoned, Poor Water Quality	Please provide a map l	below following	instruct	ions on the l	oack.	an des baldes sebera
(Plasti (cm/in)	ic, Galvanized, Steel)	Siot No. From	То	Abandoned, other, specify						
	$\rightarrow$				Perk	way	P	ad		
~										
ater found at D	Water Det	alls r: Fresh Dilatested	h Der	tole Diameter		11		0.1		
209 (m@	Gas Other, spe	cify	From	To (cm/in)		m. L		Blue	we	ter.
ater found at D	epth Kind of Water	: Fresh Wintested	<u></u>	198 6,	41					
/ater found at D	epth Kind of Water	: Fresh Untested	198	220 5 5/16				, . 1 1	4	0
(m/ft) 🗌	Gas Other, <i>spe</i>	cify				, 4_1	#	140	FO	qe
siness Name of	Well Contracto f Well Contractor	r and Well Technicia	n Informa Wi	ell Contractor's Licence No.	6	7		ters	5	ł.
Air Rock Dr Isiness Address 6659 Frank	rilling Co. Ltd. (Street Number/Na town Road, RF	s landstead, on franziski kalender mej 12. Maria a ostalatiska startska startska	<u>ма на к</u> ала ода 1911 - Аланара <b>М</b> и	1119 unicipality Richmond	Comments:	000 1	V	ົ້ ໂ		<b>۱</b>
	Destal Code									
ovince		Business E-mail Add	iress							
ovince ON s.Telephone No.	KOA 220	Business E-mail Add air-roc me of Well Technician (	k@symp Last Name	atico.ca First Name)	Well owner's Date Pa information	ackage Delivere	đ	Minis Audit No.	try Use	Only

	Tag#: A1280	357181168	, , ,
Ontario Ministry of the Environment	Well	t Below) Regulation	903 Ontario Water Resources Act
Measurements recorded in: 🗌 Metric 🔎 mpe	rial 41080	35	Page of
Well Owner's Information	and all a	E	
First Name RULA [	TOMES	E-mail Address	Well Constructed by Well Owner
Mailing Address (Street Number/Name)	Municipality De De	Province Postal Code	H Telephone No. (inc. area code)
Well Location	men nope		
Address of Well Location (Street Number/Name)	doe Why OSA	vode Lot 6	Concession
County/District/Municipality	City/Town/Village	1	Province Postal Code
UTM Coordinates Zone , Easting , Northing	g Municipal Plac and Suble	2 U the Number	Other Other
NAD   8 3 18 456899 50	IRABA YLAN	4-m-1398	SK#S
General Colour Most Common Material	Other Materials	General Description	Depth ( <i>m/it</i> ) From i To
Grey Sord	Ly Class		0' 18'
Sord' & Ora	avel a Bouldo	(S	18' 31'
- Grey Lim	estore,		31' 118'
Gray hines	store a soval store	Niz	118' 164'
- White	elstre		<u> </u>
		······································	
Annular Spa	ice	Results of We	Il Yield Testing
From To (Material and Ty	pe) (mm)	Clear francisco free	Time Water Level Time Water Level
198' 188' Not Cener	Surry 10.92	If pumping discontinued, give reason:	Static Level \$14" 751"
188' 0' Bentarite S	wrry 155.4	$\sim$	1 122 1591
		Pump intake set at (n(ff))	2 16.8 2223
Method of Construction	WellUlse	Pumping rate (I/min /GPM)	3 20.1 3 8.4"
Cable Tool Diamond Public	Commercial Not used	Duration of pumping	4 34.6 4
Rotary (Conventional) Jetting     Rotary (Reverse) Driving     Livesto	k Dewatering		5 27.9 5
Boring Digging I Irrigatio	n Cooling & Air Conditioning al		10 31 10
Construction Record - Casing	Status of Well	If flowing give rate (I/min / GPM)	15 35, 1 15
Inside Open Hole OR Material Wall Diameter (Galvanized Fibrediass Thickness	Depth (m/ft) Water Supply	Recommended pump depth (main)	20 57.3 20
(cm/in) Concrete, Plastic, Steel) (cm/in)	From To Test Hole	Recomposed de pump rate	25 4-5,7 25
6" Seek -188 +			40 5 7 9 40
518 Openhile 1	A Construction and/or Monitoring Hole	Well production (I/min GPMP	50 / 55 50
• • • • • • • • • • • • • • • • • • •	(Construction)	Disinfected?	60 75 1 60
Construction Record - Screen	Insufficient Supply	Map of We	ell Location
Outside Material Diameter (Plastic Galvanized Steel) Slot No.	Depth (m/ft) Water Quality	Please provide a map below following	instructions on the back.
(cm/in)	specify		0
	Other, specify	Parkue	my food
Water Details	Hole Diameter	1	
Water found at Depth Kind of Water:	ftested Depth (דעלד) Diameter From To (כדעלוה)	OVAN	
Water found at Depth Kind of Water: Fresh	ntested D' 198' 6"	• OKAVI	
Water found at Depth Kind of Water: Fresh	ntested 198' 260' 57/8"		# 456
( <i>m/ft</i> ) Gas Other, <i>specify</i>		Q27	Water's
Well Contractor and Well Teo Business Name of Well Contractor	hnician Information	1m'	Edge
AIR KOCK PRILLING	Cà 67011119		1 Way.
Pusiness Address (Street Number/Name)	CHMON D	Comments:	١
Province Postal Code Business E-r	nail Address	Well owner's Date Package Delivere	d Ministry Use Only
Bus Telephone No. (inc. area code) Name of Well Tech	nician (Last Name First Name)		
Well Technician's Licence No. Signature of Technician and	TELAIN JUAN	A Yes Date Work Completed	
T3484 Man 5	$\supset \exists a a a a a$		SHO Received AT 1 8 2012

Ontario	M 	inistry of e Environ
Measurements recorde	d in:	Metric

Deptr From 198

Province

ON

0506E (2007/12)

Postal Code

Bus.Telephone No. (*inc. area code*)
6138382170

Business E-mail Address

Graham, Ryan

air-rock@sympatico.ca

Name of Well Technician (Last Name, First Name)

Imperial

Tag#: A127887

A127887

W

7187688 .

Print Below)

Page

of

Well owner's	Date Package Delivered	Ministry Use Only				
information package delivered YYes	Y         20 12          0         8/         16○           Date Work Completed         2012         0         8         14           Y         Y         Y         M         M         □         □	Audit No. <b>Z</b> 144703 ReSER 222012				

Address of Well Location (Street Number/Name) 1480 Waters Edge Way						T	ownship Osgoode		Lot 6	Concession			
County/Dis	trict/M	unicipa	lity J	/		c	City/Town/Village Province Postal Cod					l Code	
Ottay	Na-C	<u>arle</u>	ton	NI			Greely Ontario						
	JTM Coordinates Zone Easting Northing Municipal Plan and Sub									S/I 1	1		
	an and	IO Bedr	ock Materia	/ IIs/Abando	onment Sea	t ling Reco	rd (see instructions on	he back of this form)					
General Co	olour		Most Comm	on Materia		Oth	er Materials	Gene	eral Description			Dep From	oth (m(ff))
				Sand 8	Gravel	đ	Boulders				C	) /	27 '
Grev				Limest	one						2	?7 ′	98 '
Grev				Limest	one	q-	Sands	one Mix			ę	18 1	166 1
White				Sandst	one	•					1	66 ′	211
VA Anito				Sandet	nne						2	11	220
	alayan ta da		111 011 11 000 1 1 1 1 1 1 1 1 1 1 1 1										-
				Annula	Snace				Results of We	II Yield	d Testing		
Depth Se	et at ( <i>m</i> l	₩		Type of Se	alant Used		Volume Placed	After test of well yield	water was:	Dra	w Down	F	Recovery
From	To	1	Blant com	(Material a	nd Type)		<u>(m³¥tä¥</u> 1n q	Clear and sand	free Int tester	( <i>min</i> )	Water Leve (m/ft)	( <i>min</i> )	VVater Level (m/ft)
198	100		Near cen				10.0	If pumping discontinu	ed, give reason:	Static	12'	e regiões	18.2
188 '	0 '		Bentonite	slurry	in statute and		92.4	X		1	16.6	a ar <b>1</b> 89	12
								Pump intake set at (	mÆ)	2	17.2	2	12
								Pumping rate (I/min)	GEMD	3	17.4	3	12
Meth	nod o	f Con	struction			Well Us				4	17.6	4	12
Cable To	ool Conven	tional)	U Diamond		iblic omestic	Comme     Municip	al Dewaterir	Duration of pumping		5	47 0	5	40
Rotary (F	Reverse	e)	Driving		vestock	Test Ho	le Donitorin	g	of numping <i>(m/ft)</i>			10	16
Boring	ission			in Lin	dustrial		& All Conditioning	18.2	o, par.,p., .9 ()	10	17.9	10	12
Other, s	pecify				her, specify _			If flowing give rate ()	/min / GPM)	15	18	15	12
	Т	Con	struction Re	ecord - Ca	sing	(	Status of Well		n donth (n/ff)	20	18	20	12
Inside Diameter	Ope (Gal	n Hole vanized	OR Material , Fibreglass,	Wall Thickness	From	To	Replacement We		ip depin ( <i>may</i> )	25	18	25	12
Crines	Con			40041	+2'	108	_ C Test Hole	Recommended pur	ip rate	30	18.1	30	12
01/4	alee			. 100	400 /	000 /	Dewatering Well	20	(6710)	40	18.1	40	12
57/8	Ope	n Ho	le		188	220	Monitoring Hole	Well production (I/m.	n/ CPMD	50	18.2	50	12
							Alteration (Construction)	Disinfected?			40'0"	60	101
							Abandoned,	, Xyes No		60	18.2	00	12
	1	Co	nstruction R	ecord - Scr	een		Abandoned, Pool	Please provide a mai	Map of W	instructi	ation	back.	
Outside Diameter	(Plast	Mai ic. Galv	erial anized. Steel)	Slot No	Erom	( <i>m/tt)</i>	Abandoned, othe	r,					
(cm/in)		~					specify				1	114	-86
			$\nearrow$				Other, specify	-				2 [-1	c :
La constante de la constante de la constante de la constante de la constante de la constante de la constante de											V V	sate	45
			Water Det	ails	-	H H	Hole Diameter					Ede	re
Water four	nd at D	epth I	Kind of Wate	r: Fresh	Untested	From	To (cm/in,	21		160	·	N.	jag
Water four	nd at D	epth I	<pre>Other, spe Kind of Wate</pre>	r: Fresh	Untested	^	100 93/4	فر	$\bigotimes$	6	シイ	-	
(n	n/ft) 🗌	Gas	Other, spe	cify		100	220 67/	2	42			80'	
Water four	nd at D	epth I	Kind of Wate	r: Fresh	Untested	1-10	<u>eeu</u> 570				1	<i>r</i>	
(n	n/ft)	Gas	Other, spe	ecity	Tarbertete	n Inform-			11 L			Blue	>
Business N	lame o	f Well	II Contractor	or and Wel	i i ecnnicia	w morma	ell Contractor's Licence N		lege	_	F	Wat	er
Air Roc	ж Dri	lling	Co. Ltd.			1	119	Cent	erique			cre	Scent
Business Address (Street Number/Name) 6659 Franktown Road, RR#1						М. Н	unicipality {ichmond	Comments: 3/4 HP - 15 C	Comments: 3/4 HP - 15 GPM SET @ 100 FT				

 

 Well Technician's Licence No.
 Signature of Technician-and/or Contractor Daty Suppritted 8

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Measurem	nents recor	ded in: 🗌 Me	etric 🕅 Imperia	al	N133333	······································			Page_		_ of
Well Ow	ner's Info	ormation									
First Name	9	La	st Name / Organi	zation Homes		E-mail Address				] Well by W	Constructe
Mailing Ad	dress (Stree	et Number/Nam	e)	N N N	Iunicipality	Province	Postal Code		Telephone N	No. (inc	area code
Box	15				Greely	On	K4P 11	<b>V7</b>			
Nell Loc	ation	(0) 1 1			, aurahin		Lot		Concession	1	
1468	Mater:		v.	1	Osqoode		6		5	•	
County/Dis	strict/Munici	pality	1	C	City/Town/Village		<u> </u>	Provin	ice .	Posta	I Code
Otta	wa-Car	leton	Northing		Greely	t Number		Other	ario		
				272		i Number		SA	8		
Overburd	len and Be	drock Material	s/Abandonmen	t Sealing Reco	rd (see instructions on the	back of this form)			<u> </u>	_	
General C	Colour	Most Commo	on Material	Oth	er Materials	Gene	ral Description			De From	$\frac{1}{10}$
			Sand & Gra	rel c	4 Boulders				C	) (	28'
Grey			Limestone						2	8	108
Grey	Li	incistano 4	Sandstone	Mix					1	08 4	165
White			Sandstone						1	85 <sup>′</sup>	203 (
White	(Anthropom Decess)	ele este de factor de co	Sandstone							203 🕤	212
White	n para ang para a	yester station	Sandstone			:				212 1	220
Depth S	iet at ( <i>m/@</i> )	1	Annular Space	e sed	Volume Placed	After test of well yield,	water was:		aw Down	F	Recovery
From	To	Nest com	Material and Type	e)	(m)#13	Clear and sand f	ree I <b>nt testeri</b>	( <i>min</i> )	Water Leve (m/ft)	I Time ( <i>min</i> )	Water Lev (m/ft)
oo (	0.0	Combonito			70.0	If pumping discontinue	ed, give reason:	Static Level	12.8"		15.7
88	U	Denitornite	Surry		78.0	$\sim$		1_;	15.1		12.8
						Pump intake set at (A	(H)	2	15.3	2	12.8
						210	FOID	3.	15.4	3	12.8
Met	hod of Co	nstruction		Well Us	8	Pumping rate (i/min /	SH=1247		IR A	Δ	120
_  Cable To _  Rotary (	ool Conventiona	) Diamond	Domestic	Comme	rcial I Not used	Duration of pumping		E	A 2" "	F	ں.غد: م مد
Rotary (	Reverse)	Driving	Livestock	Test Ho	le Monitoring	Final water level end r	nin f pumping (m/ft)	С С	10.0		12.8
_] Boring	ussion		Industrial		& All Conditioning	15.7	n pumping (mm)	10	15.6	10	12.8
] Õther, s	pecify		Other, spe	ecify		If flowing give rate (I/r	nin / GPM)	15	15.6	15	12.8
Insida	Co Open Hol	or Material	cord - Casing	Depth (mtt)	Status of Well		o depth <i>(m</i> ∰⊉	20	15.6	20	12.8
Diameter	(Galvanize	ed, Fibreglass, Plastic, Steel)	Thickness (cm(m) Fro	m To	Replacement Well		· (3/440	25	15.6	25	12.8
1.120	Gtaal		188 +2	108	Recharge Well	Recommended pump (I/min / GPM)>	o rate	30	15.7	30	12.8
514	0		. 100 12	100	Dewatering Well	20	165-X	40	15.7	40	12.8
51/8"	Upen H		195		Monitoring Hole	Well production (I/mir	)/G <u>PM)</u>	50	15.7	50	12.8
					Alteration (Construction)	Disinfected?	en en en en en en en en en en en en en e	60	AE 74	60	400
				1	Abandoned	VYes No		00	10./	00	12.8
					Insufficient Supply		10000000 <u>0</u> 0000000000000000000000000000		an a subsection of the second	(1999) Selections Sele	
Outsida	C	onstruction Re	cord - Screen	Denth (m/#)	Abandoned, Poor Water Quality	Please provide a map	Map of Web	ell Loc instruct	ation	back.	
Outside Diameter (cm/in)	C M (Plastic, Ga	onstruction Rea aterial Ivanized, Steel)	Cord - Screen	Depth ( <i>m/ft)</i>	Abandoned, Poor Water Quality	Please provide a map	Map of We below following	ell Loc instruct	ions on the b	back.	

		AKKWIFT
Other, specif	ş	$\uparrow$
Hole Diameter		
epth ( <i>m/ft)</i> Dia 1 To (C	imeter m/in)	3KM
5' <mark>198</mark> ' 9 8 <b>' 220</b> 6	3/4" 1/8"	J.
nation Well Contractor's Licer 1119	ice No.	P (
Municipality Richmond	Comments:	

$\frac{\text{Comments:}}{3/4}$	H-159pm	2 (00'
Well owner's information package delivered Yes No	Date Package Delivered           Y         2012         90         40           Date Work Completed         2012         8         29           Y         Y         M         0         0	Ministry Use Only Audit No. Z 1 4 4 7 2 3 Received 2 4 2012

Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) 6138382170 . Graham, Ryan Well Technician's Licence No. Signature of Technician end/or Contractor Date Submitted g Kon 0506E (2007/12) © Queen's Printer for Ontario, 2007

Well Contractor and Well Technician Information

Business E-mail Address

Water found at Depth Kind of Water: Fresh Untested

Water found at Depth Kind of Water: Fresh Untested

Water found at Depth Kind of Water: Fresh Untested

(m 🗇 🗌 Gas 🗌 Other, specify

(m/ft) Gas Other, specify\_

Postal Code

KOA 220

212 (mft) Gas Other, specify

Business Name of Well Contractor

Air Rock Drilling Co. Ltd. Business Address (Street Number/Name) 6659 Franktown Road, RR#1

203

Province

ON.

Water Details

Ministry's Copy

28 D

Depth (m/ft)

Municipality Richmond

From

ٺ

198

air-rock@sympatico.ca



## Appendix 2

• Laboratory Certificates of Analysis - Groundwater

EXOVA ENI	VIRONMENTAL ONTARIO	ertificate of Analysis		
Client: Pater 154 C Nepe K2E : K2E : K2E : Nr. R PO#: 1105( Invoice to: Pater	son Group Colonnade Rd South an, ON UT7 Ussell Chown 0 son Group	Page 1 of 2	Report Number: Date Submitted: Date Reported: Project: COC #:	1618670 2016-10-19 2016-10-21 PH 3207 56562
Dear Russell Cho	:uwc			
Please find attac	hed the analytical results for your samples. If <b>y</b>	/ou have any questions regarding this report	, please do not hesi	itate to call (613-727-5692).
Report Comments:				
	APPROV	Krista Quantrill 2016.10.21 10:58:25 -04'00'		
		Krista Quantrill Laboratory Supervisor, Microbiology		
All analysis is comp	oleted in Ottawa, Ontario (unless otherwise indicated).			
Exova Ottawa is ac <u>http://www.cala.ca/</u> s	credited by CALA, Canadian Association for Laboratory scopes/2602.pdf.	Accreditation to ISO/IEC 17025 for tests which appea	r on our CALA scope of	accreditation. It can be found at
Exova (Ottawa) is c in drinking water	sertified and accredited for specific parameters by OMAF	RA, Ontario Ministry of Agriculture, Food and Rural A	ffairs (for farm soils). Lic	censed by Ontario MOE for specific tests
Exova (Mississaug	a) is accredited for specific parameters by SCC, Standar	ds Council of Canada (to ISO 17025)		
Please note: Field c ease of use (inform	data, where presented on the report, has been provided l ational purposes) only. Exova recommends consulting th	oy the client and is presented for informational purpos is official provincial or federal guideline as required.	es only. Guideline value	es listed on this report are provided for



**Certificate of Analysis** 



Client: Paterson Group 154 Colonnade Rd South Nepean, ON K2E 7T7 Attention: Mr. Russell Chown PO#: 11050 Invoice to: Paterson Group

Report Number: Date Submitted: Date Reported: Project: COC #:

2016-10-19 2016-10-21

PH 3207 56562

1618670

			-				
1265592 Water	2016-10-19 Dental Clinic		0	0	0	0	0
1265591 Water	2016-10-19 TW2-WS2		21	0	0	0	0
1265590 Water	2016-10-18 TW2-WS1		17	0	0	0	0
Lab I.D. Sample Matrix	sample Type Sampling Date Sample I.D.	Guideline		MAC-0			MAC-0
		Units	ct/1mL	ct/100mL	ct/100mL	ct/100mL	ct/100mL
		MRL	0	0	0	0	0
		Analyte	Heterotrophic Plate Count	Escherichia Coli	Faecal Coliforms	Faecal Streptococcus	Total Coliforms
		Group	Microbiology	Others	<u> </u>	<u> </u>	<u> </u>

*×* = Guideline Exceedence
 All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates
 analysis was completed in Mississauga, Ontario).
 Results relate only to the parameters tested on the samples submitted.
 Analytical Method: AMBCOLM1
 Anditional OA/OC information and on nervicet

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

additional QA/QC information available on request. 146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

EXOV	A ENVIRONMENTAL ONTARIO	<b>Certificate of Analysis</b>		
Client: Attention: PO#: Invoice to:	Paterson Group 154 Colonnade Rd South Nepean, ON K2E 7T7 Mr. Russell Chown 160179 Paterson Group	Page 1 of 8	Report Number: Date Submitted: Date Reported: Project: COC #:	1618678 2016-10-19 2016-10-27 PH3207 56562
Dear Russ	ell Chown:			
Please finc	d attached the analytical results for your san	nples. If you have any questions regarding this I	report, please do not hes	itate to call (613-727-5692).
Report Comm	hents:			
	Shyla Monette کامیکی المستخلی 2016.10.27 15:52:19 -04'00'			
	Shyla Monette Team Leader, Inorganics			
All analysis	is completed in Ottawa, Ontario (unless otherwise in	dicated).		
Exova Ottav <u>http://www.c</u>	va is accredited by CALA, Canadian Association for l cala.ca/scopes/2602.pdf.	aboratory Accreditation to ISO/IEC 17025 for tests which	appear on our CALA scope of	f accreditation. It can be found at
Exova (Otta in drinking v	wa) is certified and accredited for specific parameter vater.	s by OMAFRA, Ontario Ministry of Agriculture, Food and F	kural Affairs (for farm soils). Li	censed by Ontario MOE for specific tests
Exova (Miss	sissauga) is accredited for specific parameters by SC	C, Standards Council of Canada (to ISO 17025)		
Please note ease of use	: Field data, where presented on the report, has beel (informational purposes) only. Exova recommends c	n provided by the client and is presented for informational on sulting the official provincial or federal guideline as requ	purposes only. Guideline valu iired.	es listed on this report are provided for

**EXOVA** ENVIRONMENTAL ONTARIO

**Certificate of Analysis** 



154 Colonnade Rd South Mr. Russell Chown Paterson Group Nepean, ON K2E 7T7 160179 Attention: Client: PO#:

Paterson Group

Invoice to:

Report Number: Date Submitted: Date Reported: Project: COC #:

2016-10-19 2016-10-27

PH3207 56562

1618678

				Lab I.D. Sample Matrix	1265610 Water	1265611 Water	1265614 Water	
				Sample Type Sampling Date Sample I.D.	2016-10-18 TW2-WS1	2016-10-19 TW2-WS2	2016-10-19 Dental Clinic	
Group	Analyte	MRL	Units	Guideline				
Calculations	Hardness as CaCO3	~	mg/L	0G-100	298*	298*	281*	
1	lon Balance	0.01			0.98	0.97	0.98	
1	TDS (COND - CALC)	-	mg/L	AO-500	604*	e06*	593*	
General Chemistry	Alkalinity as CaCO3	Ð	mg/L	0G-500	222	223	211	
1	G	-	mg/L	AO-250	126	127	122	
1	Colour	5	TCU	AO-5	<2	<2	~2	
1	Conductivity	2	uS/cm		929	932	912	
1	DOC	0.5	mg/L	AO-5	1.3	1.2	1.5	
1	LL	0.10	mg/L	MAC-1.5	0.32	0.28	0.32	
1	N-NO2	0.10	mg/L	MAC-1.0	<0.10	<0.10	<0.10	
1	N-NO3	0.10	mg/L	MAC-10.0	<0.10	<0.10	<0.10	
1	Hq	1.00		6.5-8.5	7.89	8.00	7.99	
1	SO4	-	mg/L	AO-500	81	82	88	
1	Turbidity	0.1	NTU	AO-5.0	2.6	2.1	1.9	
Mercury	Hg	0.0001	mg/L	MAC-0.001		<0.0001		
Metals	Ag	0.0001	mg/L			<0.0001		
1	AI	0.01	mg/L	06-0.1		<0.01		
1	As	0.001	mg/L	IMAC-0.025		<0.001		
1	В	0.01	mg/L	IMAC-5.0		0.14		
1	Ba	0.01	mg/L	MAC-1.0		0.08		
1	Be	0.0005	mg/L			<0.0005		
1	Ca	~	mg/L		70	20	63	
1	Cd	0.0001	mg/L	MAC-0.005		<0.0001		
1	Ċ	0.001	mg/L	MAC-0.05		<0.001		
1	Cu	0.001	mg/L	AO-1.0		<0.001		
1	Fe	0.03	mg/L	AO-0.3	0.21	0.20	0.21	
Guideline = ODWSOG	* = Guideline Excee	dence			MRL = Method Reporting	Limit, AO = Aesthetic Obj	jective, OG = Operational G	uideline, MA

Guideline = ODWSOG

All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates Methods references and/or additional QA/QC information available on request. Results relate only to the parameters tested on the samples submitted. analysis was completed in Mississauga, Ontario)

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Page 2 of 8



**Certificate of Analysis** 



Client: Paterson Group 154 Colonnade Rd South Nepean, ON K2E 7T7 Attention: Mr. Russell Chown PO#: 160179 Invoice to: Paterson Group

Report Number: Date Submitted: Date Reported: Project: COC #:

Group Metals	Analyte K Mg Mn Mo Na Ni	MRL 1 0.01 0.005 0.005	Units mg/L mg/L mg/L mg/L mg/L	AD-200 AD-200 AO-200 AO-200	2016-10-18 Water 7 30 0.03 7 7 7 7 7 7 7 7 76	2016-10-19 Water TW2-WS2 30 0.03 0.070 76 76 76	
	B S S S S S S S S S S S S	0.001 0.0005 0.001 0.001 0.001 0.001	l/fm J/fm J/fm J/fm J/fm J/fm	MAC-0.010 IMAC-0.006 MAC-0.01 MAC-0.01 AO-5.0		<ul> <li>&lt;0.001</li> <li>0.0006</li> <li>&lt;0.001</li> <li>4.56</li> <li>&lt;0.001</li> <li>&lt;0.001</li> <li>&lt;0.001</li> <li>&lt;0.01</li> </ul>	
Nutrients	Organic Nitrogen Total Kjeldahl Nitrogen	0.08	mg/L mg/L	0G-0.15	0.1	<0.08	
Phenols	Phenols	0.001	mg/L		<0.001	<0.001	
ubcontract	N-NH3 PO4	0.01	mg/L mg/L		0.12	0.13 <0.6	
	S2- Tannin & Linnin	0.02	mg/L	AO-0.05	<0.02	<0.02	

Guideline = ODWSOG \* \* = Guideline Exceedence All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates

An an ensist was completed in Mississauga, Ontario). Results relate only to the parameters tested on the samples submitted. Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 3 of 8




2016-10-19 2016-10-27

Report Number: Date Submitted: Date Reported:

PH3207 56562

Project: COC #:

1618678

154 Colonnade Rd South Mr. Russell Chown Paterson Group Paterson Group Nepean, ON K2E 7T7 160179 Invoice to: Attention: Client: :#Od

QC Summary

An	ıalyte	Blank	QC % Rec	QC Limits
Run No 316300	Analysis/Extraction Date 20	16-10-20 Analyst A	ET	
Method C SM2130B				
Turbidity		<0.1 NTU	100	70-130
Run No 316322	Analysis/Extraction Date 20	16-10-20 Analyst SI	КН	
Method M SM3120B-	3500C			
Calcium		<1 mg/L	101	90-110
Potassium		<1 mg/L	101	87-113
Magnesium		<1 mg/L	100	76-124
Sodium		<2 mg/L	101	82-118
Run No 316348	Analysis/Extraction Date 20	16-10-20 Analyst K	А	
Method EPA 200.8				
Silver		<0.0001 mg/L	102	94-106
Aluminum		<0.01 mg/L	98	89-111
Arsenic		<0.001 mg/L	102	93-106
Boron (total)		<0.01 mg/L	105	88-112
Barium		<0.01 mg/L	103	91-109
Beryllium		<0.0005 mg/L	96	93-107
Cadmium		<0.0001 mg/L	104	93-107

Guideline = ODWSOG

All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates \* = Guideline Exceedence Results relate only to the parameters tested on the samples submitted. analysis was completed in Mississauga, Ontario).

Methods references and/or additional QA/QC information available on request. 146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 4 of 8

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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154 Colonnade Rd South

Nepean, ON K2E 7T7

Paterson Group

Client:

Mr. Russell Chown

Attention:

PO#:

Paterson Group

Invoice to:

160179

**Certificate of Analysis** 



Report Number: Date Submitted: Date Reported: Project: COC #:

2016-10-19 2016-10-27 1618678 PH3207 56562

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Chromium Total	<0.001 mg/L	86	94-106
Copper	<0.001 mg/L	97	93-106
Iron	<0.03 mg/L	100	92-107
Manganese	<0.01 mg/L	103	94-106
Molybdenum	<0.005 mg/L	101	94-106
Nickel	<0.005 mg/L	97	94-106
Lead	<0.001 mg/L	104	70-130
Antimony	<0.0005 mg/L	100	80-120
Selenium	<0.001 mg/L	102	91-108
Strontium	<0.001 mg/L	100	89-110
Thallium	<0.0001 mg/L	102	95-105
Uranium	<0.001 mg/L	101	94-106
Zinc	<0.01 mg/L	101	94-106
Run No 316365 Analysis/Extraction Date 20	016-10-20 Analyst N	Р	
Method C SM4500-NO3-F			
N-NO2	<0.10 mg/L	100	80-120
N-NO3	<0.10 mg/L	93	80-120
Run No 316380 Analysis/Extraction Date 20	016-10-20 Analyst C	Z	

All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates \* = Guideline Exceedence analysis was completed in Mississauga, Ontario). Results relate only to the parameters tested on the samples submitted. Guideline = ODWSOG

Methods references and/or additional QA/QC information available on request.

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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154 Colonnade Rd South Mr. Russell Chown Paterson Group Paterson Group Nepean, ON K2E 7T7 160179 Invoice to: Attention: Client: PO#:

Date Reported: Report Number: Project: COC #:

2016-10-19 2016-10-27

PH3207 56562

1618678

QC Summary

Anal	lyte	Blank	QC % Rec	QC Limits
Method M SM3112B-35	00B			
Mercury		<0.0001 mg/L	103	76-123
Run No 316443 4	Analysis/Extraction Date 20	16-10-21 Analyst A	ET	
Method C SM4500-H+B	3			
Alkalinity (CaCO3)		<5 mg/L	104	90-110
Conductivity		<5 uS/cm	100	90-110
Ŀ		<0.10 mg/L	105	90-110
Hd		5.83	100	90-110
Run No 316445 /	Analysis/Extraction Date 20	16-10-24 Analyst A	ET	
Method C SM2120C				
Colour		<2 TCU	100	90-110
Run No 316462 /	Analysis/Extraction Date 20	16-10-21 Analyst N	Ē	
Method SM 4110				
SO4		<1 mg/L	104	90-110
Run No 316574 /	Analysis/Extraction Date 20	16-10-24 Analyst N	Д	
Method SM 4110				
Chloride		<1 mg/L	103	90-110
Run No 316581 /	Analysis/Extraction Date 20	16-10-25 Analyst A	ET	
Method C SM5310C				

All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates \* = Guideline Exceedence analysis was completed in Mississauga, Ontario). Results relate only to the parameters tested on the samples submitted. Guideline = ODWSOG

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Methods references and/or additional QA/QC information available on request. 146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

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154 Colonnade Rd South Mr. Russell Chown Paterson Group Paterson Group Nepean, ON K2E 7T7 160179 Invoice to: Attention: Client: :#Od

Report Number: Date Submitted: Date Reported: Project: COC #:

2016-10-19 2016-10-27

PH3207 56562

1618678

QC Summary

Analyte	Blank	QC % Rec	QC Limits
DOC	<0.5 mg/L	96	84-116
Run No 316592 Analysis/Extraction Date 20	016-10-25 Analyst Al	ET	
Method SUBCONTRACT P-INORG			
N-NH3	<0.01 mg/L	98	
Phenols	<0.001 mg/L	104	69-132
S2-	<0.02 mg/L	98	
Tannin & Lignin	<0.1 mg/L	90	
Total Kjeldahl Nitrogen	<0.1 mg/L	96	81-126
Run No 316661 Analysis/Extraction Date 20	016-10-26 Analyst Si	CM	
Method C Ion Balance			
Ion Balance			
Method C SM2340B			
Hardness as CaCO3			
Method C SM2540			
TDS (COND - CALC)			
Run No 316662 Analysis/Extraction Date 20	016-10-26 Analyst S	CM	
Method C SM4500-Norg-C			
Organic Nitrogen			
Run No 316738 Analysis/Extraction Date 20	016-10-27 Analyst R	К	

Guideline = ODWSOG

All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates \* = Guideline Exceedence Results relate only to the parameters tested on the samples submitted. analysis was completed in Mississauga, Ontario).

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Methods references and/or additional QA/QC information available on request. 146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

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Client: Paterson Group 154 Colonnade Rd South Nepean, ON K2E 717 Attention: Mr. Russell Chown PO#: 160179

Paterson Group

Invoice to:

Report Number: Date Submitted: Date Reported: Project: COC #:

2016-10-19 2016-10-27

PH3207 56562

1618678

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Method SUBCONTRACT P			
PO4			

**Guideline = ODWSOG \* = Guideline Exceedence** All analysis completed in Ottawa, Ontario (unless otherwise indicated by \*\* which indicates analysis was completed in Mississauga, Ontario). Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request. 146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

## Appendix 3

- Aquifer Analysis
- Langlier Saturation Index Calculation
- Offsite Well Owner Interview









Pa Hy	terson Group drogeology				Pumping Test Ar	na	lysis Report		
154	4 Colonnade Road Se	outh			Project: 6045 Bank	кS	ot (with OBS)		
Ott	awa, ON, K2E 7J5				Number: PH3207				
					Client: Greely Fai	mil	ly Farm Inc./Maverick	Dev. Corp.	
Loc	ation: 6045 Bank Street	t, Ottawa, ON	Pum	ping Test: Pun	nping Test 2 (6hr)		Pumping Well: TW2	2	
Tes	st Conducted by: RLC						Test Date: 19/10/20	16	
Aqı	uifer Thickness: NAN m		Disc	harge: variable	e, average rate 100 [l/s]				
	Analysis Name	Analysis Performe	d by	Analysis Date	Method name	V	Vell	T [m²/d]	S
1	Theis RECOVERY	RLC		24/10/2016	Theis Recovery	Т	<sup>-</sup> W2	$6.96 \times 10^{3}$	
2	Theis RECOVERY	RLC		24/10/2016	Theis Recovery	С	City Park	8.64 × 10 <sup>1</sup>	
3	Theis (best fit)			24/10/2016	Theis	Т	<sup>-</sup> W2	$5.63 \times 10^4$	
4	Theis (best fit)			24/10/2016	Theis	С	City Park	$8.64 \times 10^{1}$	$1.00 \times 10^{-4}$
5	Theis (semi log)			31/10/2016	Theis	Т	<sup>-</sup> W2	1.96 × 10 <sup>4</sup>	
6	Theis (semi log)			31/10/2016	Theis	С	City Park	8.64 × 10 <sup>1</sup>	$1.00 \times 10^{-4}$
7	Cooper and Jacob			31/10/2016	Cooper & Jacob I	Т	W2	$1.30 \times 10^{4}$	
8	Cooper and Jacob			31/10/2016	Cooper & Jacob I	С	City Park	1.80 × 10 <sup>4</sup>	1.09 × 10 <sup>-3</sup>
							Average	$1.43 \times 10^{4}$	4.29 × 10 <sup>-4</sup>

## patersongroup

6045 Bank St, Greely PH3207 Langlier Saturation Index (LSI) Calculation

(Langlier, 1936)

LSI = pH - pHs	A = (Log10 [TDS] - 1) / 10
pHs = (9.3 + A + B) - (C + D)	B = -13.12 × Log10 (oC + 273) + 34.55
Where:	C = Log10 [Ca2+ as CaCO3] - 0.4
	D = Log10 [alkalinity as CaCO3]

TW1 inputs pН 8 А 0.18 TDS 606 В 2.38 С 2.07 Hardness 298 Alkalinity 223 D 2.35 Temp. 10.1 pHs = 7.44 LSI = 0.6 Effect LSI Water is super saturated and tends to precipitate a scale layer of calcium carbonate (scale forming but non-corrosive). 0.5 to 2 0 to 0.5 Water is super saturated and tends to precipitate a scale layer of calcium carbonate (slightly scale forming and corrosive). 0 Water is saturated (in equilibrium) with calcium carbonate. A scale layer of calcium carbonate is neither precipitated nor dissolved. 0 to -0.5 Water is under saturated and tends to dissolve solid calcium carbonate (slightly corrosivebut non-scale forming). -0.5 to -2 Water is under saturated and tends to dissolve solid calcium carbonate (seriously corrosive).

patersongroup	Wa	ter Well / Septic Sy	stem Inspection	Log
Address:	7606 VILLAC	E PLACE Project N	umber: PU37	
- Name of Property Owner	:	DR CHEV	HARRIS	<u> </u>
Date of Inspection:	19/007/1	Owner te	ephone No: 612	- 071-125I
- Paterson Bep	<u>rijocijio</u>			8-1 1237
-	RLC			
Well Details				A N
Is well casing exposed at	oove around surface ?	V/N	Length of st	ickup:
Does owner have a copy	of the 'water well record'	2 Y / N Try to obtain	a copy or get datails (take a ph	oto)
How old is the well ?	Zyrc In wh	at year was the house built	? 20 M	
Depth of well ?	7 Depth	of well casing ?		<u> </u>
Who drilled the well ?	AIR Rock.	. er nen edenig i	check well cap	for driller ID
Water Quality				
Taste ?	~			
Odour ?	None			
Colour ?	pone			
Hardness ?	not not	ficeable		
History of bacteria testing	J?	10 -?		
Any other water quality re	lated comments or issue	s? Non	L	
	7 011			
Water treatment details:	; softener			
SAMPLING DETAILS:	SAMPLE 1	NAVEN		1 1 0 0 0
	Copy of results to well ow	ner? (get dontaet details / email a	address) Metcalfe	family dental a rogers
Water Quantity	Temp / S+6 C PH	8-03 Cond 895,	s. IDS 625m	314
Size of pump in well ?	? -	Type of p	ump 2	
Pumping rate ?	?	туре огр		
Depth of pump in well ?	?	28-	has owner ever	seen it laved out on surface ?
Any water quantity related	d comments or issues ?		nas owner even	seen it layed out on suitace ?
Has the well ever run dry	?	.1		
		No .		
Septic System	draw location on sketch		S ele	and the last
Class 4 ? Tertiary treatment ?			ystem a	in stocked
Have there been any prot	olems with the septic syst	em? Y/ 🕅		So I direct
		9		
Environmental Concern	S			
Surface water ? $L_{\alpha}$	he.			
Septic System ?	28			
Land use ? Co	mereval			
Neighbouring properties	? voal.	voient		
Potential sources of conta	amination (onsite and offs	site)? None,		
Please sketch the site layout sho	owing well location and location	of septic system - on reverse side	of this sheet	





Potable Water Supply Assessment Proposed Commercial Development 6045 Bank Street, Ottawa (Greely), Ontario

## Appendix 4

Preliminary Site Development Plan