



Pumping Test Report

Stamp company name/address/ phone/fax/e-mail here.

Ministry Well ID Plate Number: _____
Ministry Well Tag Number: 69381

Red lettering indicates minimum mandatory information. Requirements for flow reports are found in Part 5 of the *Water Act*, available at: http://www.env.gov.bc.ca/wsd/plan_protect_sustain/groundwater/index.html#leg.

Owner name: 554498 ONTARIO INC (DALE HOGG)

Mailing address: 360 MOSES POINT RD Town N. SAANICH Prov. B.C. Postal Code V8L 5L9

Well Location: Address: Street no. N/A Street name FAIRVIEW RD Town OLIVER, B.C.

or Legal description: Lot _____ Plan _____ D.L. _____ Block _____ Sec. _____ Twp. _____ Rg. _____ Land District 6685

or PID: _____ and Description of well location (attach sketch, if nec.): _____

NAD 83: Zone: _____ and UTM Easting: _____ m or Latitude: deg: 49 min: 10' sec: 39"

(Datum must be set to NAD83) UTM Northing: _____ m Longitude: deg: 119 min: 37' sec: 14"

Ground elevation: _____ (ft) asl Method: GPS Differential GPS Level survey Other (specify): _____

Class of well (see Table 1): WATER SUPPLY Sub-class of well: DOMESTIC

Water supply wells: indicate intended water use: private domestic water supply system irrigation commercial or industrial other (specify): _____

Pumping Test Summary Information

Type of well pump:

Submersible Jet (end-suction)

Vertical turbine Other (specify) _____

Depth of pump setting: 325 ft (btoc)

Type of Pumping Test:

Constant Rate Step Test Other (specify) _____

Method of water level measurement:

Water level sounder Datalogger Air line

Wetted tape Other (specify) _____

Reference datum for water level measurements:

Top of casing Ground level Other (specify) _____

Final stick-up: 24" in

Method of flow measurement:

Flow meter Orifice 45-gallon drum 5-gallon pail

Other (specify) BLANCETT

Start date of pumping test: 2011/10/06 (YYYY/MM/DD)

Static water level: ARTISAN ft

Duration of pumping: 6 hrs Duration of recovery: 1 hrs

Well yield estimated from pumping test: 22 USgpm

Available drawdown: _____ ft Specific Capacity: _____ USgpm/ft

Method of estimating long-term well yield from pumping test:

NONE

Pumping test data sheet(s) attached:

Person conducting the pumping test (please print):

Name (first, last): R. MICHAEL PEARCE

Company name: VALUE CONTRACTING

Registration number of person responsible: WPI 05080802

Consultant (if applicable; please print): _____

* Fill in the registration of the Qualified Well Driller/Pump Installer. If the test was conducted by a driller/pump installer who is not registered, the Qualified Well Driller/Pump Installer who is directly supervising the work should fill in their registration number.

Declaration:

The pumping test has been done in accordance with the requirements in the *Water Act* and the Ground Water Protection Regulation.

PLEASE NOTE: The data recorded in this pumping test report reflect conditions at the time of the test. Water levels, well performance, estimated long-term well yield and water quality are not guaranteed as they are influenced by a number of factors, including natural variability, human activities, and condition of the works, which may change over time.

Signature of Person Responsible:

X _____

Note: Well reports submitted to the Deputy Comptroller, or retained by the person responsible, as required under the *Water Act* shall be considered part of Provincial Government records and are subject to the *Freedom of Information and Protection of Privacy Act*.

Return Completed Report and Data Sheets to:
Deputy Comptroller Ministry of Environment, Water Stewardship Division
Watershed & Aquifer Science Section
PO Box 9362 Stn Prov Govt Victoria BC
V8W 9M2

Questions? If you have any questions about the *Water Act* or this report form, please contact your local Ministry of Environment office.

white: Customer copy
canary: Driller copy
pink: Ministry copy

Diamond P. Holdings Ltd.,
 DBA Value Contracting
 PO Box 256
 Okanagan Falls, BC V0H 1R0
 Phone: 250-497-8284 Fax: 250-497-6533
 email: diamondp@vip.net

PUMP TEST RESULTS

OWNER'S NAME:	554498 Ontario Inc.	
LOCATION:	N49 10'39"/W 119 37'14" Fairview Road Oliver	
DEPTH:	349'	
STATIC LEVEL:	Artesian	
TEST DONE BY:	Mike Pearce	
DATE OF TEST:	October 6,2011	
TIME OF START UP:	11:00 a.m.	
TIME FROM START-UP		
	11-55'	35USGPM
12 SECONDS		
35 SECONDS	18-22'	35USGPM
1 MINUTE	22-65'	35USGPM
2MINUTES	28-91'	35USGPM
4 MINUTES	38-62'	35USGPM
6 MINUTES	63-25'	35USGPM
8 MINUTES	82-45'	35USGPM
10MINUTES	106-41'	35USGPM
12 MINUTES	126-25'	35USGPM
14 MINUTES	144-21'	35USGPM
16 MINUTES	162-7'	34.89USGPM
18MINUTES	179-81'	34.9USGPM
20 MINUTES	190-2'	34.56USGPM
25 MINUTES	231-4'	34.9USGPM
30 MINUTES	255-0'	34.3USGPM
35 MINUTES	282-5'	30.22USGPM
40 MINUTES	300-91'	28.99USGPM
41 MINUTES	301-33'	25USGPM
42 MINUTES	301.44'	25.00USGPM
43 MINUTES	304-55'	259USGPM
44 MINUTES	301.89'	25USGPM
45MINUTES	302-44'	24.9USGPM
46 MINUTES	301-95'	22USGPM
47MINUTES	301-4'	22USGPM
48MINUTES	299-4'	22USGPM
49 MINUTES	298-2'	22USGPM
50MINUTES	296-81'	22USGPM Bucket Test
55 MINUTES	291-4'	22.19USGPM
60MINUTES -1 HOUR	287-6'	22.06USGPM
75 MINUTES	278-65'	22.16USGPM
90 MINUTES	282-4'	22.07USGPM
105MINUTES	283-9'	22.07USGPM
120 MINUTES - 2 HOURS	284-2'	21.85USGPM Bucket Test
150 MINUTES	286-15'	22.01USGPM

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PUMP TEST RESULTS

180MINUTES – 3 HOURS	**298-45'	21.97USGPM Bucket Test
210 MINUTES	298-4'	22.10USGPM Bucket Test
240 MINUTES/4 HOURS	298-54'	22.32USGPM
270 MINUTES	298-45'	22.21USGPM Bucket Test
300 MINUTES/5 HOURS	298-9;	21.95USGPM
360 MINUTES/6 HOURS	297-45'	21.75USGPM Bucket

** At 157 minutes water turned very dirty – pumping sand and very smelly (sulphur).
Cleaned up but still cloudy at 170 Minutes

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PUMP TEST RECOVERY RESULTS

OWNER'S NAME:	554498 Ontario Inc.	
STATIC LEVEL:	Artesian	
TEST DONE BY:	Mike Pearce	
DATE OF TEST:	October 6,2011	
TIME OF START UP:	11:00a.m	Shut Down: 5:00p.m.
	TIME FROM SHUTDOWN	DEPTH TO WATER
	10 SECONDS	
	20 SECONDS	285-7'
	30 SECONDS	283-2'
	40 SECONDS	278-1'
	50 SECONDS	275-7'
	2 MINUTES	253-35'
	4 MINUTES	221-7'
	6 MINUTES	196-42'
	8 MINUTES	178-8'
	10 MINUTES	153-8'
	15 MINUTES	106-6'
	20 MINUTES	76-35'
	25 MINUTES	60-5'
	30 MINUTES	46-87'
	40 MINUTES	35-8'
	50 MINUTES	31-82'
	55 MINUTES	
	60 MINUTES / 1 HOUR	28-3'
	75 MINUTES	
	90 MINUTES	
	105 MINUTES	
	120 MINUTES / 2 HOURS	
	150 MINUTES	
	180 MINUTES / 3 HOURS	
	210 MINUTES	
	240 MINUTES / 4 HOURS	
	270 MINUTES	
	300 MINUTES / 5 HOURS	
	330 MINUTES	
	360 MINUTES / 6 HOURS	
	390 MINUTES	
	420 MINUTES / 7 HOURS	
	450 MINUTES	
	480 MINUTES / 8 HOURS	
	540 MINUTES / 9 HOURS	
	720 MINUTES / 12 HOURS	
	1440 MINUTES / 24 HOURS	
	2880 MINUTES / 48 HOURS	
	3600 MINUTES / 60 HOURS	
	4320 MINUTES / 72 HOURS	



Report 1 - Detailed Well Record

Well Tag Number: 82590 Owner: DALE HOGG Address: Area: OLIVER WELL LOCATION: SIMILKAMEEN Land District District Lot: 689S Plan: Lot: Township: Section: Range: Indian Reserve: Meridian: Block: Quarter: Island: BCGS Number (NAD 27): 082E012444 Well: 1 Class of Well: Subclass of Well: Orientation of Well: Status of Well: New Well Use: Observation Well Number: Observation Well Status: Construction Method: Diameter: inches Casing drive shoe: Well Depth: 202 feet Elevation: feet (ASL) Final Casing Stick Up: inches Well Cap Type: Bedrock Depth: feet Lithology Info Flag: N File Info Flag: N Sieve Info Flag: N Screen Info Flag: N Site Info Details: Other Info Flag: Other Info Details:	Construction Date: 1994-05-09 00:00:00.0 Driller: Quality Well Drilling Well Identification Plate Number: Plate Attached By: Where Plate Attached: PRODUCTION DATA AT TIME OF DRILLING: Well Yield: 4 (Driller's Estimate) Gallons per Minute (U.S./Imperial) Development Method: Pump Test Info Flag: N Artesian Flow: Artesian Pressure (ft): Static Level: 13 feet WATER QUALITY: Character: Colour: Odour: Well Disinfected: N EMS ID: Water Chemistry Info Flag: N Field Chemistry Info Flag: Site Info (SEAM): N Water Utility: N Water Supply System Name: Water Supply System Well Name: SURFACE SEAL: Flag: N Material: Method: Depth (ft): Thickness (in): Liner from To: feet WELL CLOSURE INFORMATION: Reason For Closure: Method of Closure: Closure Sealant Material: Closure Backfill Material: Details of Closure:
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Screen from	to feet	Type	Slot Size	
Casing from	to feet	Diameter	Material	Drive Shoe
0	11.5	null	null	null

GENERAL REMARKS:
 WELL LINED WITH 4" PERFORATED 160 PSI PVC

LITHOLOGY INFORMATION:

From 0 to 3 Ft.	TOP SOIL	0	nothing entered	0	nothing entered	0	nothing entered
From 3 to 6 Ft.	FINE SAND	0	nothing entered	0	nothing entered	0	nothing entered
From 6 to 9 Ft.	MEDIUM GRAVEL AND SAND	0	nothing entered	0	nothing entered	0	nothing entered
From 9 to 10.2 Ft.	FINE SAND AND GRAVEL	0	nothing entered	0	nothing entered	0	nothing entered
From 10.2 to 11 Ft.	BROKEN BEDROCK	0	nothing entered	0	nothing entered	0	nothing entered
From 11 to 11.5 Ft.	CASED BEDROCK	0	nothing entered	0	nothing entered	0	nothing entered
From 11.5 to 202 Ft.	6" OPEN BEDROCK BOREHOLE	0	nothing entered	0	nothing entered	0	nothing entered

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Report 1 - Detailed Well Record

Well Tag Number: 69381	Construction Date: 1996-05-03 00:00:00.0			
Owner: DALE HOGG	Driller: Quality Well Drilling			
Address: FAIRVIEW RD	Well Identification Plate Number:			
Area: OLIVER	Plate Attached By:			
WELL LOCATION:	Where Plate Attached:			
SIMILKAMEEN Land District	PRODUCTION DATA AT TIME OF DRILLING:			
District Lot: 668S Plan: Lot:	Well Yield: 18 (Driller's Estimate) Gallons per Minute (U.S./Imperial)			
Township: Section: Range:	Development Method:			
Indian Reserve: Meridian: Block:	Pump Test Info Flag: N			
Quarter:	Artesian Flow: .01 U.S. Gallons per Minute			
Island:	Artesian Pressure (ft): 2			
BCGS Number (NAD 27): 082E012441 Well: 1	Static Level: 0 feet			
Class of Well:	WATER QUALITY:			
Subclass of Well:	Character:			
Orientation of Well:	Colour:			
Status of Well: New	Odour:			
Well Use: Private Domestic	Well Disinfected: N			
Observation Well Number:	EMS ID:			
Observation Well Status:	Water Chemistry Info Flag: N			
Construction Method: Drilled	Field Chemistry Info Flag:			
Diameter: 6.0 inches	Site Info (SEAM): N			
Casing drive shoe:	Water Utility: N			
Well Depth: 350 feet	Water Supply System Name:			
Elevation: 0 feet (ASL)	Water Supply System Well Name:			
Final Casing Stick Up: inches	SURFACE SEAL:			
Well Cap Type:	Flag: N			
Bedrock Depth: 16 feet	Material:			
Lithology Info Flag: Y	Method:			
File Info Flag: N	Depth (ft):			
Sieve Info Flag: N	Thickness (in):			
Screen Info Flag: N	WELL CLOSURE INFORMATION:			
Site Info Details:	Reason For Closure:			
Other Info Flag:	Method of Closure:			
Other Info Details:	Closure Sealant Material:			
	Closure Backfill Material:			
	Details of Closure:			
Screen from	to feet	Type	Slot Size	
Casing from	to feet	Diameter	Material	Drive Shoe
0	17.5	6	null	null
GENERAL REMARKS:				
STEEL CASING 0 TO 17.5. ARTESIAN.				
LITHOLOGY INFORMATION:				
From	0 to	2 Ft.	TOP SOIL	
From	2 to	6 Ft.	SAND, GRAVEL & BOULDERS	
From	16 to	350 Ft.	BEDROCK	
From	9 to	16 Ft.	PEA GRAVEL	
From	6 to	9 Ft.	CEMENTED	

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Report 1 - Detailed Well Record

Well Tag Number: 69385 Owner: DALE HOGG Address: FAIRVIEW RD Area: OLIVER WELL LOCATION: SIMILKAMEEN Land District District Lot: 667S Plan: Lot: Township: Section: Range: Indian Reserve: Meridian: Block: Quarter: Island: BCGS Number (NAD 27): 082E012424 Well: 1 Class of Well: Subclass of Well: Orientation of Well: Status of Well: New Well Use: Private Domestic Observation Well Number: Observation Well Status: Construction Method: Drilled Diameter: 6.0 inches Casing drive shoe: Well Depth: 500 feet Elevation: 0 feet (ASL) Final Casing Stick Up: inches Well Cap Type: Bedrock Depth: 13 feet Lithology Info Flag: Y File Info Flag: N Sieve Info Flag: N Screen Info Flag: N Site Info Details: Other Info Flag: Other Info Details:	Construction Date: 1996-05-09 00:00:00.0 Driller: Quality Well Drilling Well Identification Plate Number: Plate Attached By: Where Plate Attached: PRODUCTION DATA AT TIME OF DRILLING: Well Yield: 4 (Driller's Estimate) Gallons per Minute (U.S./Imperial) Development Method: Pump Test Info Flag: N Artesian Flow: Artesian Pressure (ft): Static Level: 106 feet WATER QUALITY: Character: Colour: Odour: Well Disinfected: N EMS ID: Water Chemistry Info Flag: N Field Chemistry Info Flag: Site Info (SEAM): N Water Utility: N Water Supply System Name: Water Supply System Well Name: SURFACE SEAL: Flag: N Material: Method: Depth (ft): Thickness (in): WELL CLOSURE INFORMATION: Reason For Closure: Method of Closure: Closure Sealant Material: Closure Backfill Material: Details of Closure:
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Screen from	to feet	Type	Slot Size	
Casing from	to feet	Diameter	Material	Drive Shoe
null	null	6	null	null

GENERAL REMARKS:
 HOLE #3. STEEL CASING 0 TO 14.15

LITHOLOGY INFORMATION:
 From 0 to 3 Ft. TOP SOIL 0 nothing entered 0 nothing entered 0 nothing entered
 From 3 to 8 Ft. FINE & COARSE SAND
 From 8 to 13 Ft. MEDIUM GRAVEL & FINE SAND
 From 13 to 500 Ft. BEDROCK
 From to Ft. THIS WELL WAS NOT LINED UPON OWNERS REQUEST 0 nothing entered 0 nothing entered 0 nothing entered
 From 436 to Ft. LARGE FRACTURE PRODUCING LOOSE MATERIAL 0 nothing entered 0 nothing entered 0 nothing entered
 From 435 to Ft. THE PUMP SHOULD NOT BE PLACED BEYOND THIS POINT 0 nothing entered 0 nothing entered 0 nothing entered

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