

From: [Susan Hunnewell](#)
To: [Allary Braitsch](#)
Cc: [Gary @ Barsky](#); [Elizabeth Laracy](#)
Subject: Hunting Lane - OOC Condition #54
Date: Friday, October 18, 2019 3:27:00 PM
Attachments: [DP water level data 10-6-19.pdf](#)
[Hunting Lane Well 1 chemistry report 9-18-19.pdf](#)
[Hunting Lane Well 1 Drilling Report Aug. 2019.pdf](#)
[Hunting Lane Well 1 Test report Sep 2019.pdf](#)
[Hunting Lane Well 2 chemistry report 10-11-19.pdf](#)
[Hunting Lane Well 2 Drilling Report Aug. 2019.pdf](#)
[Hunting Lane Well 2 Test Report Sep 2019.pdf](#)

Allary,

In accordance with Post-Construction Condition 54 of the Order of Conditions associated with the Hunting Lane project (DEP #283-0389), please find attached hereto the well information required. Specifically you will find attached the well drilling logs (for Well #1 and #2), pump test data for both wells and water quality test results.

We trust that the transmittal of this information satisfies this requirement of the OOC. However, should you have any questions or require additional information, please contact me directly. Also, please advise if there are additional items that should be completed in the near future that are required in the OOC.

Kind Regards,

Susan Hunnewell, P.E.
Vice President - Director of Water Engineering

Onsite Engineering, Inc.

279 East Central Street

PMB 241

Franklin, MA 02038

P: 508-553-0616 ext. 702

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C: 978-660-2752

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Drive Point Groundwater Levels
Hunting Lane
Sherborn, MA

Drive Point 1 (DP1) is the monitoring well closest to Well #2

Refusal at 3.7 feet, total length of screen and riser = 5.2 feet

Drive Point 2 (DP2) is the monitoring well closer to Hunting Lane

Refusal at 3.45 feet, total length of screen and riser = 8.25 feet

Date	DP1		DP2		
	Time	Reading (btoc)	Time	Reading (btoc)	
3-Sep	11:38 AM	3.90	11:50 AM	6.21	
4-Sep	2:35 PM	4.20	2:45 PM	6.25	
5-Sep	1:50 PM	4.30	2:00 PM	6.28	
6-Sep	9:55 AM	4.44	10:01 AM	6.35	
7-Sep	11:28 AM	4.47	11:34 AM	6.35	
8-Sep	11:17 AM	4.60	11:22 AM	6.49	
9-Sep	9:47 AM	4.79	9:52 AM	6.59	
10-Sep	9:33 AM	4.89	9:39 AM	6.65	
11-Sep	9:42 AM	4.90	9:46 AM	6.70	
12-Sep	9:39 AM	4.98	9:42 AM	6.78	
13-Sep	9:56 AM	4.99	9:59 AM	6.79	
14-Sep	10:03 AM	5.00	10:07 AM	6.87	
15-Sep	4:59 PM	4.97	5:02 PM	6.77	
16-Sep	8:55 AM	4.98	9:00 AM	6.90	<i>Fracture Enhancement performed at Well #2</i>
17-Sep	9:12 AM	4.99	9:17 AM	6.89	
18-Sep	9:33 AM	5.00	9:38 AM	6.96	<i>8-hour preliminary pump test performed at Well #1</i>
19-Sep	8:27 AM	4.99	8:32 AM	6.10	
20-Sep	8:31 AM	4.99	8:35 AM	6.56	
21-Sep	10:25 AM	4.97	10:29 AM	6.81	
22-Sep	10:17 AM	5.02	10:21 AM	6.96	
23-Sep	8:58 AM	4.99	9:03 AM	7.04	
24-Sep	10:02 AM	5.03	10:06 AM	6.98	
25-Sep	10:22 AM	5.07	10:26 AM	7.04	
26-Sep	8:20 AM	5.08	8:24 AM	7.15	
27-Sep	1:32 PM	5.04	1:36 PM	6.88	
28-Sep	5:36 PM	5.05	5:40 PM	6.92	
29-Sep	3:54 PM	5.07	3:58 PM	7.17	
30-Sep	9:45 AM	5.06	9:51 AM	7.16	<i>8-hour preliminary pump test performed at Well #2</i>
1-Oct	8:52 AM	5.07	8:56 AM	6.71	
2-Oct	9:21 AM	5.10	9:25 AM	6.94	
3-Oct	8:12 AM	5.08	8:16 AM	6.31	
4-Oct	4:44 PM	5.07	4:50 PM	6.45	
5-Oct	9:14 AM	5.09	9:18 AM	6.64	
6-Oct	4:50 PM	5.06	4:54 PM	6.79	



Well Driller

Please specify work performed:

New Well

Please specify well type:

Public Water Supply

Number Of Wells:

Well Location

In public right-of-way:

☒ Yes ☐ No

Subdivision/Property/Description:

Property Owner:

BARSKY REAL ESTATE

Engineering Firm:

Address at well location:

Street Number: Street Name:
HUNTING LANE
Building Lot#: Assessor's Map #:
11
Assessor's Lot#: ZIP Code:
2 01770
City/Town:
SHERBORN

GPS

North: West:
42.14924 71.22345

Mailing Address:

☐ click here if same as well location address

Street Number: Street Name:
826 PO BOX
City/Town: State:
NATICK MASSACHUSETTS
ZIP Code:
01760

Board of health permit obtained:

☐ Yes ☒ Not Required

Permit Number: Date Issued:



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Well Driller Program
Well Completion Reports(General)

Well Driller - General Well Form

DRILLING METHOD

Overburden

Bedrock

Air Hammer

Air Hammer

WELL LOG OVERBURDEN LITHOLOGY

From(ft)	To(ft)	Code	Color	Comment	Drop in drill stem	Extra fast or slow drill rate	Loss or addition of fluid
0	17	TI	Brown		☐ YES ☒ NO	☒ Fast ☐ Slow	☐ Loss ☐ Addition

WELL LOG BEDROCK LITHOLOGY

From(ft)	To(ft)	Code	Comment	Drop in drill stem	Extra fast or slow drill rate	Loss or addition of fluid	Visible Rust Staining	Extra Large Chips
17	100	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
100	200	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
200	300	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
300	400	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
400	500	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
500	600	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
600	700	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
700	800	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
800	820	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes

ADDITIONAL WELL INFORMATION

Developed

☐ Yes ☒ No

Disinfected

☒ Yes ☐ No

Total Well Depth

820

Depth to Bedrock

17

Surface Seal Type

None

Fracture Enhancement

☐ Yes ☒ No

CASING

☒ Is Casing above ground?

From: 2 To: 0

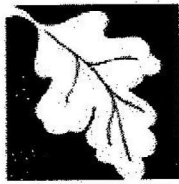
From	To	Type	Thickness	Diameter	Driveshoe
0	10	Steel	17#	6	☒ Yes



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Well Driller Program
Well Completion Reports(General)

VIERA ARTESIAN			
Firm WELL CO.	Rig Permit #	1	Date Job Complete 08/08/2019

NOTE: Well Completion Reports must be filed by the registered well driller within 30 days of well completion.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Well Driller Program
Well Completion Reports(General)

From	To	Type	Slot Size	Diameter
		-- Choose Screen Type --		

WATER-BEARING ZONES ☐ DRY WELL

From	To	Yield (gpm)
270	280	25
680	700	15

PERMANENT PUMP (IF AVAILABLE)

Pump Description	-- Choose Pump Description --	Horsepower	-- Choose Horsepower --
------------------	-------------------------------	------------	-------------------------

Pump Intake Depth (ft)

Nominal Pump Capacity (gpm)

ANNULAR SEAL / FILTER PACK

From	To	Material 1	Weight	Material 2	Weight	Water (gal)	Batches (count)	Method Of Placement
0	40	Concrete		Choose Material		6	8	Tremie

WELL TEST DATA

Date	Method	Yield (gpm)	Time Pumped (HH:MM)	Pumping Level (ft BGS)	Time To Recover (HH:MM)	Recovery (ft BGS)
08/08/2019	Air Blow With Drill Stem	40	1:30	820	2:30	0

WATER LEVEL

Date Measured	Static Depth BGS (ft)	Flowing Rate (gpm)
08/09/2019	2	40

COMMENTS

WELL #1

WELL DRILLERS STATEMENT

This well was drilled or altered under my direct supervision, according to the applicable rules and regulations, and this report is complete and accurate to the best of my knowledge.

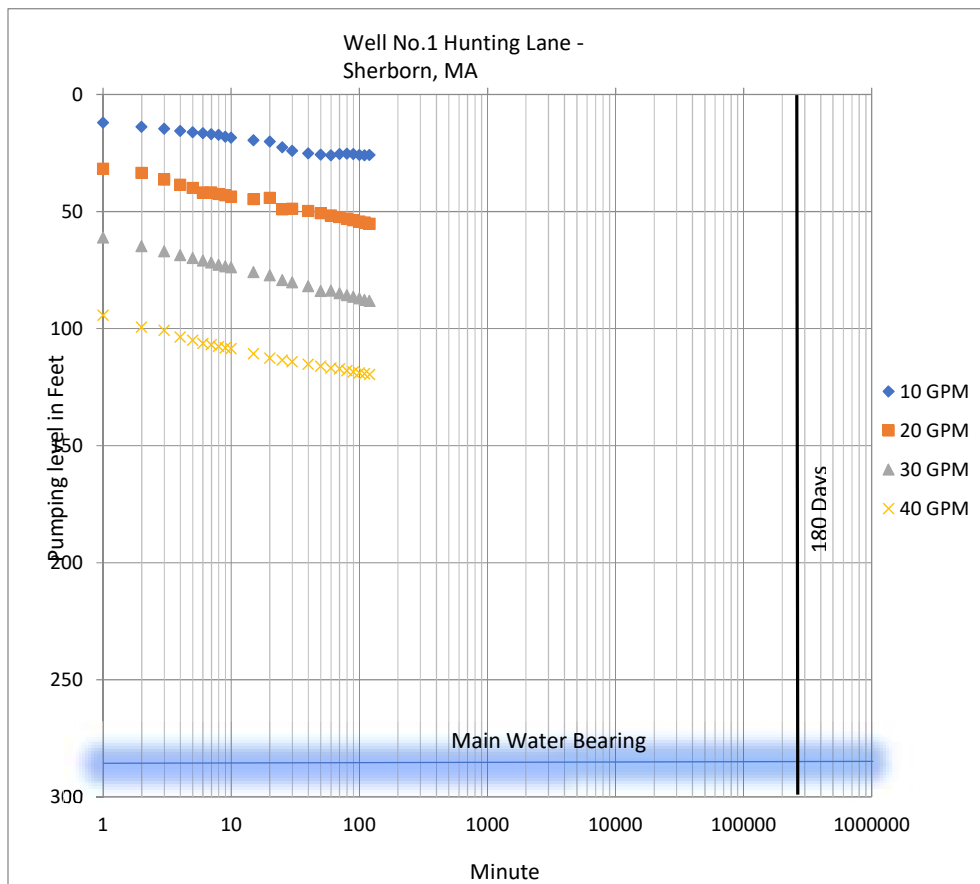
JAMES

Supervising Driller

VIERA,

Barsky - Hunting Lane, Sherborn, MA
Well No. 1 Pumping Test
Wednesday, September 18, 2019

Time	10 GPM	20 GPM	30 GPM	40 GPM
1	12.05	31.71	61.15	94.35
2	13.68	33.42	64.75	99.3
3	14.62	36.36	66.96	100.69
4	15.5	38.49	68.55	103.61
5	16.01	39.87	69.81	104.9
6	16.5	41.86	70.84	106.32
7	16.91	41.8	71.74	106.82
8	17.15	42.52	72.69	107.55
9	18	43.05	73.4	108.13
10	18.5	43.6	73.75	108.52
15	19.51	44.71	75.82	110.64
20	20.01	44.17	77.2	112.6
25	22.48	49.05	79.27	113.35
30	24.05	48.7	80.3	114.12
40	25.17	49.67	81.82	115.26
50	25.64	50.69	83.92	116.04
60	26.01	51.74	83.82	116.8
70	25.5	52.32	84.87	117.15
80	25.21	53.03	85.65	117.85
90	25.42	53.7	86.35	118.44
100	25.81	54.2	87	118.88
110	25.85	54.64	87.63	119.25
120	25.8	55.1	88.1	119.55



Client:

Maher Services

71 Concord Street

North Reading, MA 01854

Well #1

ReportDate: 9/24/2019

Certificate of Analysis**20 Hunting Lane, Sherborn, MA**

Parameter	Method	Result	MCL	MRL	Date of Analysis	Analyst
- Sample Port						
<i>Sampled: 9/18/2019 4:25:00 PM by Jake Maher</i>						
Aluminum, MG/L	EPA 200.7	0.125	0.2	0.004	9/23/2019	M-MA1118
Calcium, MG/L	EPA 200.7	38.9	Not Spec	0.2	9/23/2019	M-MA1118
Copper, MG/L	EPA 200.7	0.021	1.3	0.004	9/23/2019	M-MA1118
Iron, MG/L	EPA 200.7	# 0.376	0.3	0.004	9/23/2019	M-MA1118
Magnesium, MG/L	EPA 200.7	4.3	Not Spec	0.1	9/23/2019	M-MA1118
Manganese, MG/L	EPA 200.7	0.012	0.05	0.004	9/23/2019	M-MA1118
Potassium, MG/L	EPA 200.7	4.9	Not Spec	0.1	9/23/2019	M-MA1118
Silver, MG/L	EPA 200.7	ND	0.1	0.003	9/23/2019	M-MA1118
Zinc, MG/L	EPA 200.7	ND	5	0.004	9/23/2019	M-MA1118
Alkalinity, MG/L	SM 2320B	88	Not Spec	1	9/19/2019	M-MA1118
Chloride, MG/L	EPA 300.0	13.2	250	1	9/19/2019	M-MA1118
Color Apparent, CU	SM 2120B	5	15	1	9/19/2019	M-MA1118
Hardness, Total, MG/L	SM 2340B	115	Not Spec	1	9/23/2019	M-MA1118
Odor, TON	SM 2150B	0	3	0	9/19/2019	PN
pH, PH AT 25C	SM 4500-H-B	8	6.5 - 8.5	NA	9/19/2019	M-MA1118
Sulfate, MG/L	EPA 300.0	23	250	1	9/19/2019	M-MA1118
Total Dissolved Solids, MG/L	SM 2540C	170	500	1	9/20/2019	M-MA1118
Turbidity, NTU	EPA 180.1	2.1	Not Spec	0.1	9/19/2019	M-MA1118

MCL=Maximum Contaminant Level (EPA Limit), MRL = Minimum Reporting Level

Sodium Guidelines- Mass 20, EPA 250, # = Result Exceeds Limit or Guideline

ND = None Detected (<MRL), * = Background Bacteria Noted, J=Estimated Value

Analysis performed according to 310CMR42.00

Massachusetts Certified
Laboratory #M-MA1118David L. Knowlton
Laboratory Director

Page 1 of 3

Client:

Maher Services

ReportDate: 9/24/2019

71 Concord Street

North Reading, MA 01854

Volatile Organics Compounds EPA 524.2 Method Detection Limit 0.5 ug/L

20 Hunting Lane, Sherborn, MA, Sample Port

Sampled: 9/18/2019 4:25:00 PM by Jake Maher

Parameter	MCL	Result	Date of Analysis	Analyst
1,1,1,2-TETRACHLOROETHANE, UG/L	--	ND	9/20/2019	M-MA072
1,1,1-TRICHLOROETHANE, UG/L	200	ND	9/20/2019	M-MA072
1,1,2,2-TETRACHLOROETHANE, UG/L	--	ND	9/20/2019	M-MA072
1,1,2-TRICHLOROETHANE, UG/L	5	ND	9/20/2019	M-MA072
1,1-DICHLOROETHANE, UG/L	--	ND	9/20/2019	M-MA072
1,1-DICHLOROETHYLENE, UG/L	7	ND	9/20/2019	M-MA072
1,1-DICHLOROPROPENE, UG/L	--	ND	9/20/2019	M-MA072
1,2,3-TRICHLOROBENZENE, UG/L	--	ND	9/20/2019	M-MA072
1,2,3-TRICHLOROPROPANE, UG/L	--	ND	9/20/2019	M-MA072
1,2,4-TRICHLOROBENZENE, UG/L	70	ND	9/20/2019	M-MA072
1,2,4-TRIMETHYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
1,2-DICHLOROETHANE, UG/L	5	ND	9/20/2019	M-MA072
1,2-DICHLOROPROPANE, UG/L	5	ND	9/20/2019	M-MA072
1,3,5-TRIMETHYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
1,3-DICHLOROPROPANE, UG/L	--	ND	9/20/2019	M-MA072
1,3-DICHLOROPROPENE, UG/L	--	ND	9/20/2019	M-MA072
2,2-DICHLOROPROPANE, UG/L	--	ND	9/20/2019	M-MA072
ACETONE, UG/L	--	ND	9/20/2019	M-MA072
BENZENE, UG/L	5	ND	9/20/2019	M-MA072
BROMOBENZENE, UG/L	--	ND	9/20/2019	M-MA072
BROMOCHLOROMETHANE, UG/L	--	ND	9/20/2019	M-MA072
BROMODICHLOROMETHANE, UG/L	--	ND	9/20/2019	M-MA072
BROMOFORM, UG/L	--	ND	9/20/2019	M-MA072
BROMOMETHANE, UG/L	--	ND	9/20/2019	M-MA072
CARBON TETRACHLORIDE, UG/L	5	ND	9/20/2019	M-MA072
CHLORODIBROMOMETHANE, UG/L	--	ND	9/20/2019	M-MA072
CHLOROETHANE, UG/L	--	ND	9/20/2019	M-MA072
CHLOROFORM, UG/L	--	ND	9/20/2019	M-MA072
CHLOROMETHANE, UG/L	--	ND	9/20/2019	M-MA072
CIS-1,2-DICHLOROETHYLENE, UG/L	70	ND	9/20/2019	M-MA072
DIBROMOMETHANE, UG/L	--	ND	9/20/2019	M-MA072

MCL=Maximum Contaminant Level (EPA Limit), MRL = Minimum Reporting Level

Sodium Guidelines- Mass 20, EPA 250, # = Result Exceeds Limit or Guideline

ND = None Detected (<MRL), * = Background Bacteria Noted, J=Estimated Value

Analysis performed according to 310CMR42.00

Massachusetts Certified

Laboratory #M-MA1118

David L. Knowlton
Laboratory Director

Page 2 of 3

Client:

Maher Services

ReportDate: 9/24/2019

71 Concord Street

North Reading, MA 01854

Volatile Organics Compounds EPA 524.2 Method Detection Limit 0.5 ug/L

20 Hunting Lane, Sherborn, MA, Sample Port

Sampled: 9/18/2019 4:25:00 PM by Jake Maher

Parameter	MCL	Result	Date of Analysis	Analyst
DICHLORODIFLUOROMETHANE, UG/L	--	ND	9/20/2019	M-MA072
DICHLOROMETHANE, UG/L	5	ND	9/20/2019	M-MA072
ETHYLBENZENE, UG/L	700	ND	9/20/2019	M-MA072
FLUOROTRICHLOROMETHANE, UG/L	--	ND	9/20/2019	M-MA072
HEXACHLOROBUTADIENE, UG/L	--	ND	9/20/2019	M-MA072
ISOPROPYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
M-DICHLOROBENZENE, UG/L	--	ND	9/20/2019	M-MA072
METHYL ETHYL KETONE (MEK), UG/L	--	ND	9/20/2019	M-MA072
METHYL TERTIARY BUTYL ETHER, UG/L	--	ND	9/20/2019	M-MA072
MONOCHLOROBENZENE, UG/L	100	ND	9/20/2019	M-MA072
NAPHTHALENE, UG/L	--	ND	9/20/2019	M-MA072
N-BUTYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
N-PROPYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
O-CHLOROTOLUENE, UG/L	--	ND	9/20/2019	M-MA072
O-DICHLOROBENZENE, UG/L	600	ND	9/20/2019	M-MA072
PARA-DICHLOROBENZENE, UG/L	5	ND	9/20/2019	M-MA072
P-CHLOROTOLUENE, UG/L	--	ND	9/20/2019	M-MA072
P-ISOPROPYLTOLUENE, UG/L	--	ND	9/20/2019	M-MA072
SEC-BUTYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
STYRENE, UG/L	100	ND	9/20/2019	M-MA072
TERT-BUTYLBENZENE, UG/L	--	ND	9/20/2019	M-MA072
TETRACHLOROETHYLENE, UG/L	5	ND	9/20/2019	M-MA072
TOLUENE, UG/L	1000	1.38	9/20/2019	M-MA072
TRANS-1,2-DICHLOROETHYLENE, UG/L	100	ND	9/20/2019	M-MA072
TRICHLOROETHYLENE, UG/L	5	ND	9/20/2019	M-MA072
VINYL CHLORIDE, UG/L	2	ND	9/20/2019	M-MA072
XYLENES (TOTAL), UG/L	10000	ND	9/20/2019	M-MA072

MCL=Maximum Contaminant Level (EPA Limit), MRL = Minimum Reporting Level

Sodium Guidelines- Mass 20, EPA 250, # = Result Exceeds Limit or Guideline

ND = None Detected (<MRL), * = Background Bacteria Noted, J=Estimated Value

Analysis performed according to 310CMR42.00

Massachusetts Certified

Laboratory #M-MA1118

David L. Knowlton
Laboratory Director

Page 3 of 3



Well Driller

Please specify work performed:

New Well

Please specify well type:

Public Water Supply

Number Of Wells:

Well Location

In public right-of-way:

☐ Yes ☐ No

Subdivision/Property/Description:

Property Owner:

BARSKY REAL ESTATE

Engineering Firm:

Address at well location:

Street Number: Street Name:
HUNTING LANE
Building Lot#: Assessor's Map #:
11
Assessor's Lot#: ZIP Code:
2 01770
City/Town:
SHERBORN

GPS

North: West:
42.14934 71.22344

Mailing Address:

☐ click here if same as well location address

Street Number: Street Name:
826 PO BOX
City/Town: State:
NATICK MASSACHUSETTS
ZIP Code:
01760

Board of health permit obtained:

☐ Yes ☒ Not Required

Permit Number: Date Issued:



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Well Driller Program
Well Completion Reports(General)

Well Driller - General Well Form

DRILLING METHOD

Overburden

Bedrock

Air Hammer

Air Hammer

WELL LOG OVERBURDEN LITHOLOGY

From(ft)	To(ft)	Code	Color	Comment	Drop in drill stem	Extra fast or slow drill rate	Loss or addition of fluid
0	17	TE	Brown		☐ YES ☒ NO	☒ Fast ☐ Slow	☐ Loss ☐ Addition

WELL LOG BEDROCK LITHOLOGY

From(ft)	To(ft)	Code	Comment	Drop in drill stem	Extra fast or slow drill rate	Loss or addition of fluid	Visible Rust Staining	Extra Large Chips
17	100	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
100	200	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
200	300	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
300	400	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
400	500	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
500	600	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
600	700	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
700	800	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes
800	820	Granite		☐ YES ☒ NO	☐ Fast ☒ Slow	☐ Loss ☐ Addition	☐ Yes	☐ Yes

ADDITIONAL WELL INFORMATION

Developed

☐ Yes ☒ No

Disinfected

☒ Yes ☐ No

Total Well Depth

820

Depth to Bedrock

17

Surface Seal Type

None

Fracture Enhancement

☐ Yes ☒ No

CASING

☒ Is Casing above ground?

From: 2 To: 0

From	To	Type	Thickness	Diameter	Driveshoe
0	40	Steel	17#	6	☒ Yes



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Well Driller Program
Well Completion Reports(General)

From	To	Type	Slot Size	Diameter
		-- Choose Screen Type --		

WATER-BEARING ZONES ☐ DRY WELL

From	To	Yield (gpm)
350	360	3
600	610	2
800	820	2

PERMANENT PUMP (IF AVAILABLE)

Pump Description	-- Choose Pump Description --	Horsepower	-- Choose Horsepower --
------------------	--	------------	--

Pump Intake Depth (ft) Nominal Pump Capacity (gpm)

ANNULAR SEAL / FILTER PACK

From	To	Material 1	Weight	Material 2	Weight	Water (gal)	Batches (count)	Method Of Placement
0	40	Concrete		Choose Material		6	8	Tremie

WELL TEST DATA

Date	Method	Yield (gpm)	Time Pumped (HH:MM)	Pumping Level (ft BGS)	Time To Recover (HH:MM)	Recovery (ft BGS)
08/14/2019	Air Blow With Drill Stem	7	1:30	820	2:30	500

WATER LEVEL

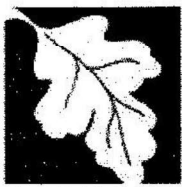
Date Measured	Static Depth BGS (ft)	Flowing Rate (gpm)
08/15/2019	2	7

COMMENTS

WELL #2

WELL DRILLERS STATEMENT

This well was drilled or altered under my direct supervision, according to the applicable rules and regulations, and this report is complete



Massachusetts Department of Environmental Protection

Bureau of Resource Protection – Well Driller Program

Well Completion Reports(General)

JAMES					
Driller F. VIERA	Registration #	6	Monitoring [M]	Supervising Driller	VIERA,
VIERA ARTESIAN				Signature	JAMES, F
Firm WELL CO.	Rig Permit #	1		Date Job Complete	08/15/2019

NOTE: Well Completion Reports must be filed by the registered well driller within 30 days of well completion.

Barsky - Hunting Lane, Sherborn, MA
Well No. 2 Pumping Test
Monday, September 30, 2019

Time min	Water Level ft btoc	Pump Rate gpm	Time min	Water Level ft btoc	Pump Rate gpm
0	7.35		165	203.19	10
1	27.92	10	180	208.52	10
2	32.31	10	181	215.20	15
3	36.56	10	182	218.81	15
4	40.32	10	183	221.89	15
5	44.69	10	184	225.38	15
6	48.70	10	185	227.72	15
7	52.51	10	186	230.42	15
8	56.79	10	187	233.18	15
9	60.98	10	188	235.41	15
10	64.92	10	189	239.52	15
15	84.00	10	190	241.73	15
20	96.45	10	195	258.13	15
25	106.71	10	200	266.51	15
30	115.54	10	205	267.40	15
40	129.61	10	210	268.93	15
50	138.34	10	220	276.14	15
60	144.68	10	230	281.90	14
70	150.63	10	240	288.30	14
80	154.70	10	270	265.90	9.7
90	158.83	10	300	265.74	9.7
100	164.21	10	330	265.37	9.7
110	169.96	10	360	264.23	9.7
120	173.31	10	390	258.50	9.7
135	177.80	10	420	258.55	9.5
150	185.61	10	480	259.73	9.4

Client:

Maher Services

ReportDate: 10/9/2019

71 Concord Street

North Reading, MA 01854

Well #2

Certificate of Analysis**Barsky Real Estate, 20 Hunting Lane, Sherborn MA**

Parameter	Method	Result	MCL	MRL	Date of Analysis	Analyst
- Sample Port						
<i>Sampled: 9/30/2019 3:00:00 PM by J. Maher</i>						
Aluminum, MG/L	EPA 200.7	0.063	0.2	0.004	10/3/2019	M-MA1118
Calcium, MG/L	EPA 200.7	30.5	Not Spec	0.2	10/3/2019	M-MA1118
Copper, MG/L	EPA 200.7	ND	1.3	0.004	10/3/2019	M-MA1118
Iron, MG/L	EPA 200.7	# 0.552	0.3	0.004	10/3/2019	M-MA1118
Magnesium, MG/L	EPA 200.7	2.9	Not Spec	0.1	10/3/2019	M-MA1118
Manganese, MG/L	EPA 200.7	0.022	0.05	0.004	10/3/2019	M-MA1118
Potassium, MG/L	EPA 200.7	2.3	Not Spec	0.1	10/3/2019	M-MA1118
Silver, MG/L	EPA 200.7	ND	0.1	0.003	10/3/2019	M-MA1118
Zinc, MG/L	EPA 200.7	ND	5	0.004	10/3/2019	M-MA1118
Alkalinity, MG/L	SM 2320B	70	Not Spec	1	10/1/2019	M-MA1118
Chloride, MG/L	EPA 300.0	16.7	250	1	10/1/2019	M-MA1118
Color Apparent, CU	SM 2120B	8	15	1	10/1/2019	M-MA1118
Hardness, Total, MG/L	SM 2340B	88	Not Spec	1	10/3/2019	M-MA1118
Odor, TON	SM 2150B	1	3	0	10/1/2019	PN
pH, PH AT 25C	SM 4500-H-B	7.8	6.5 - 8.5	NA	10/1/2019	M-MA1118
Sulfate, MG/L	EPA 300.0	20.6	250	1	10/1/2019	M-MA1118
Total Dissolved Solids, MG/L	SM 2540C	150	500	1	10/3/2019	M-MA1118
Turbidity, NTU	EPA 180.1	2.2	Not Spec	0.1	10/1/2019	M-MA1118

MCL=Maximum Contaminant Level (EPA Limit), MRL = Minimum Reporting Level

Sodium Guidelines- Mass 20, EPA 250, # = Result Exceeds Limit or Guideline

ND = None Detected (<MRL), * = Background Bacteria Noted, J=Estimated Value

Analysis performed according to 310CMR42.00

Massachusetts Certified
Laboratory #M-MA1118David L. Knowlton
Laboratory Director

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Client:

Maher Services

71 Concord Street

North Reading, MA 01854

ReportDate: 10/9/2019

Volatile Organics Compounds EPA 524.2 Method Detection Limit 0.5 ug/L

Barsky Real Estate, 20 Hunting Lane, Sherborn MA, Sample Port

Sampled: 9/30/2019 3:00:00 PM by J. Maher

Parameter	MCL	Result	Date of Analysis	Analyst
1,1,1,2-TETRACHLOROETHANE, UG/L	--	ND	10/2/2019	M-MA072
1,1,1-TRICHLOROETHANE, UG/L	200	ND	10/2/2019	M-MA072
1,1,2,2-TETRACHLOROETHANE, UG/L	--	ND	10/2/2019	M-MA072
1,1,2-TRICHLOROETHANE, UG/L	5	ND	10/2/2019	M-MA072
1,1-DICHLOROETHANE, UG/L	--	ND	10/2/2019	M-MA072
1,1-DICHLOROETHYLENE, UG/L	7	ND	10/2/2019	M-MA072
1,1-DICHLOROPROPENE, UG/L	--	ND	10/2/2019	M-MA072
1,2,3-TRICHLOROBENZENE, UG/L	--	ND	10/2/2019	M-MA072
1,2,3-TRICHLOROPROPANE, UG/L	--	ND	10/2/2019	M-MA072
1,2,4-TRICHLOROBENZENE, UG/L	70	ND	10/2/2019	M-MA072
1,2,4-TRIMETHYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
1,2-DICHLOROETHANE, UG/L	5	ND	10/2/2019	M-MA072
1,2-DICHLOROPROPANE, UG/L	5	ND	10/2/2019	M-MA072
1,3,5-TRIMETHYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
1,3-DICHLOROPROPANE, UG/L	--	ND	10/2/2019	M-MA072
1,3-DICHLOROPROPENE, UG/L	--	ND	10/2/2019	M-MA072
2,2-DICHLOROPROPANE, UG/L	--	ND	10/2/2019	M-MA072
ACETONE, UG/L	--	ND	10/2/2019	M-MA072
BENZENE, UG/L	5	ND	10/2/2019	M-MA072
BROMOBENZENE, UG/L	--	ND	10/2/2019	M-MA072
BROMOCHLOROMETHANE, UG/L	--	ND	10/2/2019	M-MA072
BROMODICHLOROMETHANE, UG/L	--	ND	10/2/2019	M-MA072
BROMOFORM, UG/L	--	ND	10/2/2019	M-MA072
BROMOMETHANE, UG/L	--	ND	10/2/2019	M-MA072
CARBON TETRACHLORIDE, UG/L	5	ND	10/2/2019	M-MA072
CHLORODIBROMOMETHANE, UG/L	--	ND	10/2/2019	M-MA072
CHLOROETHANE, UG/L	--	ND	10/2/2019	M-MA072
CHLOROFORM, UG/L	--	ND	10/2/2019	M-MA072
CHLOROMETHANE, UG/L	--	ND	10/2/2019	M-MA072
CIS-1,2-DICHLOROETHYLENE, UG/L	70	ND	10/2/2019	M-MA072
DIBROMOMETHANE, UG/L	--	ND	10/2/2019	M-MA072

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Laboratory Director

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Client:

Maher Services

ReportDate: 10/9/2019

71 Concord Street

North Reading, MA 01854

Volatile Organics Compounds EPA 524.2 Method Detection Limit 0.5 ug/L

Barsky Real Estate, 20 Hunting Lane, Sherborn MA, Sample Port

Sampled: 9/30/2019 3:00:00 PM by J. Maher

Parameter	MCL	Result	Date of Analysis	Analyst
DICHLORODIFLUOROMETHANE, UG/L	--	ND	10/2/2019	M-MA072
DICHLOROMETHANE, UG/L	5	ND	10/2/2019	M-MA072
ETHYLBENZENE, UG/L	700	ND	10/2/2019	M-MA072
FLUOROTRICHLOROMETHANE, UG/L	--	ND	10/2/2019	M-MA072
HEXACHLOROBUTADIENE, UG/L	--	ND	10/2/2019	M-MA072
ISOPROPYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
M-DICHLOROBENZENE, UG/L	--	ND	10/2/2019	M-MA072
METHYL ETHYL KETONE (MEK), UG/L	--	ND	10/2/2019	M-MA072
METHYL TERTIARY BUTYL ETHER, UG/L	--	ND	10/2/2019	M-MA072
MONOCHLOROBENZENE, UG/L	100	ND	10/2/2019	M-MA072
NAPHTHALENE, UG/L	--	ND	10/2/2019	M-MA072
N-BUTYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
N-PROPYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
O-CHLOROTOLUENE, UG/L	--	ND	10/2/2019	M-MA072
O-DICHLOROBENZENE, UG/L	600	ND	10/2/2019	M-MA072
PARA-DICHLOROBENZENE, UG/L	5	ND	10/2/2019	M-MA072
P-CHLOROTOLUENE, UG/L	--	ND	10/2/2019	M-MA072
P-ISOPROPYLTOLUENE, UG/L	--	ND	10/2/2019	M-MA072
SEC-BUTYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
STYRENE, UG/L	100	ND	10/2/2019	M-MA072
TERT-BUTYLBENZENE, UG/L	--	ND	10/2/2019	M-MA072
TETRACHLOROETHYLENE, UG/L	5	ND	10/2/2019	M-MA072
TOLUENE, UG/L	1000	4.3	10/2/2019	M-MA072
TRANS-1,2-DICHLOROETHYLENE, UG/L	100	ND	10/2/2019	M-MA072
TRICHLOROETHYLENE, UG/L	5	ND	10/2/2019	M-MA072
VINYL CHLORIDE, UG/L	2	ND	10/2/2019	M-MA072
XYLENES (TOTAL), UG/L	10000	ND	10/2/2019	M-MA072

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