

Received

AUG - 2 2019

WELL COMPLETION/HYDROFRACTURING/CLOSURE REPORT

STATE OF VERMONT - DEPT. OF ENVIRONMENTAL CONSERVATION

Drinking Water & Groundwater Protection Division (DWGWP),

1 National Life Drive, Main 2, Montpelier, VT 05620-3521

Tel. (802) 828-1535 or (802) 585-4907

Drinking Water & Groundwater
Protection Division

WELL LOCATION

Well Owner or Purchaser: Scott DelaireE-911 Address of Well: 218 Brach RdTown: Elmore

Subdivision Name: _____

Lot Number: _____

WELL TAG No. 57478Date Drilling or Hydrofracturing Was Completed: 6/4/19

Wastewater/Water Permit #: _____

Parcel SPAN Number: _____

GEOGRAPHIC LOCATION

GPS Location: 44°32.30 N, 72°31.46 W
(Latitude in decimal degrees) (Longitude in decimal degrees)

WELL TYPE (Check one)

☒ Bedrock well (well
finishes in bedrock)☐ Gravel well (well is
NOT into bedrock)

WELL USE (Check one)

☒ Residential/Non-public☐ Public water system☐ Agricultural☐ Industrial☐ Commercial☐ Monitoring well

REASON FOR WELL (Check one)

☒ New supply☐ Replace existing supply ---> Exempt from permit? ☐ Yes ☐ No☐ Deepen/Hydrofracture existing supply☐ Test/Exploration/Monitoring☐ Geothermal☐ WELL CLOSURE Date the well was closed: _____/_____/_____Closed per the Water Supply Rule? ☐ Yes ☐ NO Grout/fill type: _____Reason for closure: ☐ Insufficient yield ☐ Contaminated ☐ Disrepair ☐ No longer in use ☐ Test well☐ Poor aesthetic quality ☐ Does not meet isolation distances ☐ Pump stuck ☐ Collapsed ☐ Other _____

Please use the WELL LOG section below to list the depth and materials used at each depth in filling the well.

WELL CONSTRUCTION INFORMATION

DEPTHS

To bedrock:

80 ft.

Total Depth:

162 ft.

CASING

Total Length: 100 ft.Casing exposed: 30 in.Diameter: 6 in.Material: SteelWeight: 19 lb/ft.

LINER OR INNER CASING

Total Length: _____ ft.

Depth to liner top: _____ ft.

Diameter: _____ in.

Material: _____

Weight: _____ lb/ft.

Seal type: _____

SCREEN DETAILS

Make/Type: _____

Material: _____

Diameter: _____ in.

Depth to screen top: _____

Slot size: _____

Gravel pack (type/size): _____

WELL LOG

From:

0158095105106145146155

To:

158095105106145146155156

Subsurface materials and water-bearing zones:

SandGray ClaySoft BedrockLight Gray B.R.Soft / waterGraySoft waterGraySoft water156 - 162 gray

SEALING METHOD

☒ Drive Shoe☐ Grouted; type: _____☐ Concentric

YIELD TEST

Tested for 1 hr. @ 15 GPM

Static Water Level: _____ ft.

Date Measured: _____

☐ Overflowing? (check if yes)☐ Hydrofractured? _____ GPM

WELL DRILLER INFORMATION

☒ Yes ☐ No - I provided the property owner with the Dept. of Health water testing information, per 10 V.S.A. Section 1396(d).Drilled by: Kasey

Signature of Qualifying Individual

Company: N. A. ManoshVT Well Driller License Number: 256

White Copy - DWGWP

Yellow Copy - Owner

Pink Copy - Driller

10/4/16

GENERAL INSTRUCTIONS

1. Wells must be tagged within 30 days of completing the well.
2. This form must be completed and submitted to DWGWPDP within 90 days of well completion.
3. **The SPAN #** is the town's School Parcel Account Number for tax purposes. The land owner will have this number, or it may be on the associated Wastewater/Water Permit (WW/W Permit). If the well is on a new lot with no SPAN # assigned yet, write N/A in the space and include the WW/W permit # on the line below.
4. All new drinking water wells require Permits and plans showing the well location (with only one exemption, see #6 below). **The well must be constructed at this location, unless the owner obtains an amended permit showing a different location.** It is the owner's responsibility to have the well location accurately located on the site and clearly marked for the well driller to easily find.
5. **GEOGRAPHIC LOCATION** – To improve well location accuracy all wells must be GPS located. Set the GPS unit to display Latitude and Longitude in decimal degrees. Record the GPS location to show at least five (5) places to the right of the decimal. (example: 42.12345° N, -72.04829° W)
6. **Exemption** – The ONLY exemption from needing a Permit is when a single family residence on its own lot needs to replace a potable water supply. The installation of the well needs to comply with the Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rule. The well isolation distances, the final well location, and the use of additional protective measures shall be discussed with the well owner, and agreed to, before well construction. The well owner and the well driller shall both sign the following form: *"Exemption Form for Construction of a Replacement Water Supply Serving Only One Single Family Residence on its Own Individual Lot"*. The form is found on-line at:
<http://dec.vermont.gov/sites/dec/files/dwgwp/ropermits/pdf/exemptformdrilledwell.pdf> Qualifying for an Exemption must also be noted on the Well Completion Report under **Reason For Well** when the Report is submitted.
7. **Well Closure:** When closing an abandoned well, fill in the basic Well Location information at the top of the Report page, the Well Closure information, and other well information, if it is known. Record the Date as Month/Day/Year.
8. **Static Water Level:** In feet below grade. This is important information to report because it helps to determine groundwater flow directions when compared to other information in the area. This information is useful in many groundwater investigations. The Water Level is to be measured when the pump is installed or within 90 days of well completion, whichever occurs first.
9. **Well Driller Information:** Additional Dept. of Health 'Testing Drinking Water from Private Water Supplies' handout sheets can be printed out from the following site:
http://dec.vermont.gov/sites/dec/files/dwgwp/welldriller/pdf/VDH_FactSheet_drinking_water_testing_wells.pdf
10. If you need more space for descriptions, please attach an extra sheet and include the Well Tag Number on it.

WELL LOG DESCRIPTIONS

Please provide accurate descriptions of the subsurface materials you drill through and the location of any water bearing zones and fractures. The following codes can be used when filling out the information:

LITHOLOGY CODES

SO - Soil, topsoil, loam

B - Boulders, cobbles

BG - Boulders and gravel

BS - Boulders and sand

BI - Boulders and silt

BC - Boulders and clay

G - Gravel

SG - Sand and gravel

CG - Clay and gravel

GI - Gravel and silt

S - Sand

SI - Sand and silt

CS - Clay and sand

CI - Clay and silt

I - Silt

C - Clay

T - Till, hardpan

R - Bedrock, ledge, rock

For each bedrock or ledge lithology, please add the following descriptions (see * below)

HARDNESS

Soft

Medium

Hard

COLOR

White **Black**

Orange **Green**

Brown **Light grey**

Blue **Dark grey**

Red **Mixed color**

ROCK TYPE (If known)

Granite

Marble/limestone

Phyllite

Quartz/quartzite

Schist/gneiss

Serpentine/talc

Shale/slate

Sandstone

* (for example: R – hard, red, quartzite; R – medium, light grey, shale; R – soft, green, serpentine)