

# WATER WELL REPORT



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

## Type of Work:

☒ Construction  
☐ Decommission ☐ Original installation NOI No. \_\_\_\_\_

**Proposed Use:** ☒ Domestic ☐ Industrial ☐ Municipal  
☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other \_\_\_\_\_

**Construction Type:** ☐ New well ☐ Alteration ☐ Deepening ☐ Other \_\_\_\_\_  
**Method:** ☐ Driven ☐ Jetted ☐ Cable Tool ☐ Dug ☒ Air- ☐ Mud-Rotary

**Dimensions:** Diameter of boring 3 in. to 139.9 ft.  
Depth of completed well 139.9 ft.

**Construction Details:**

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3</u> in.	<u>+2.2</u>	<u>139.5</u>	<u>0.1875</u> in.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<u>  </u> in.	<u>  </u>	<u>  </u>	<u>  </u> in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<u>  </u> in.	<u>  </u>	<u>  </u>	<u>  </u> in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<u>  </u> in.	<u>  </u>	<u>  </u>	<u>  </u> in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Perforations:** ☐ Yes ☒ No Type of perforator used \_\_\_\_\_  
No. of perforations \_\_\_\_\_ Size of perforations \_\_\_\_\_ in. by \_\_\_\_\_ in.  
Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. below ground surface

**Screens:** ☒ Yes ☐ No ☒ K-Packer ☐ Depth 134.3 ft.  
Manufacturer's Name \_\_\_\_\_

Type \_\_\_\_\_ Model No. \_\_\_\_\_  
Diameter 5 in. Slot size 0.10 in. from 135 ft. to 139.9 ft.  
Diameter \_\_\_\_\_ in. Slot size \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Sand/Filter pack:** ☐ Yes ☒ No Size of pack material \_\_\_\_\_ in.  
Materials placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**Surface Seal:** ☒ Yes ☐ No To what depth? 19 ft.  
Material used in seal Dentonite medium chips  
Did any strata contain unusable water? ☐ Yes ☒ No  
Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_  
Method of sealing strata off \_\_\_\_\_

**Pump:** Manufacturer's Name \_\_\_\_\_ Type \_\_\_\_\_  
H.P. \_\_\_\_\_ Pump intake depth: \_\_\_\_\_ ft. Designed flow rate: \_\_\_\_\_ gpm

**Water Levels:** Land-surface elevation above mean sea level 1824 ft.  
Stick-up of top of well casing 1.1 ft. above ground surface  
Static water level 0 ft. below top of well casing Date 11/23/22  
Artesian pressure 2 lbs. per square inch Date 11/23/22  
Artesian water is controlled by cap + valve (cap, valve, etc.)

**Well Tests:**  
Was a pumping test performed? ☒ No ☐ Yes ☐ by whom? \_\_\_\_\_  
Yield \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Yield \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Yield \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Recovery data (time = zero when pump is turned off - water level measured from well top to water level)  

Time	Water Level	Time	Water Level	Time	Water Level
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Date of pumping test \_\_\_\_\_  
Bailer test \_\_\_\_\_ gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Air test 20 gpm with stem set at 139 ft. for 3 hrs. Date 11/22/22  
Artesian flow 1.5 gpm  
Temperature of water \_\_\_\_\_ °F Was a chemical analysis made? ☐ Yes ☒ No

**WELL CONSTRUCTION CERTIFICATION:** I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ PE - Print Name Justin England  
Signature \_\_\_\_\_  
License No. 2343  
IF TRAINEE: Sponsor's License No. \_\_\_\_\_  
Sponsor's Signature \_\_\_\_\_

Notice of Intent No. WE 51177  
Unique Ecology Well ID Tag No. BPA-409  
Site Well Name (if more than one well): N/A  
Water Right Permit/Certificate No. N/A  
Property Owner Name Heidi Lum  
Well Street Address 38 Windy Ridge Ln  
City Kettle Falls County Ferry  
Tax Parcel No. 73530410003200  
Was a variance approved for this well? ☐ Yes ☒ No  
If yes, what was the variance for? N/A  
Location (see instructions on page 2): ☐ WWM or ☒ EWM  
NW 1/4 of the SE 1/4, Section 30 Township 35 Range 37E  
Latitude (Example: 47.12345) 48.50275  
Longitude (Example: -120.12345) -118.20398

## Driller's Log/Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
Top soil + cobble	0	3
Cemented gravels brown	3	15
Cemented gravels grey	15	55
Sandy cobble w/ clay seams	55	90
Black limestone medium	90	93
Silty sandy gravel clay seams	93	112
grey clay	112	114
fine sand w/ clay seams	114	120
coarse sandy gravel grey	120	135
conglomerate green limestone	135	137
grey limestone + water	137	139.9
+ 20 gpm		
Artesian over night 1.5 gpm		
8" Type g shoe 133.5		
150 ft. Plug, gasket + cap.		
2" Valve + pipe welded to cap		
<b>RECEIVED</b>		
DEPARTMENT OF ECOLOGY		
MAR 20 2023		
WATER RESOURCES PROGRAM		
EASTERN REGIONAL OFFICE		
Start Date	<u>11/15/22</u>	Completed Date <u>11/23/22</u>