



83950

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 4 / 1 / 2023 Completed: 4 / 1 / 2023 Pump Install: / /

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough	Winter Rose			H5 Construction ,

Well location: Latitude 61.60960016152711 **Longitude** -149.2405128479004
 Meridian S Township 018N Range 001E Section 34 , NE 1/4 of NE 1/4 of SE 1/4 of NE 1/4

BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC_Product?id=a18500000BYub3AAD			Drilling method: <input checked="" type="checkbox"/> Air rotary, <input type="checkbox"/> Cable tool, <input type="checkbox"/> Other _____		
			Well use: <input type="checkbox"/> Public supply, <input checked="" type="checkbox"/> Domestic, <input type="checkbox"/> Reinjection, <input type="checkbox"/> Hydrofracking		
			<input type="checkbox"/> Commercial, <input type="checkbox"/> Observation/Monitoring, <input type="checkbox"/> Test/Exploratory, <input type="checkbox"/> Cooling,		
			<input type="checkbox"/> Irrigation/Agriculture, <input type="checkbox"/> Grounding, <input type="checkbox"/> Recharge/Aquifer Storage,		
			<input type="checkbox"/> Heating, <input type="checkbox"/> Geothermal Exploration, <input type="checkbox"/> Other _____		
			Fluids used: _____		
			Depth of hole: <u>86</u> ft Casing stickup: <u>3</u> ft		
			Casing type: <u>A53B Steel</u> Casing thickness: <u>.25</u> inches		
			Casing diameter: <u>6</u> inches Casing depth: <u>76</u> ft		
			Liner type: _____ Depth: _____ ft Diameter: _____ inches		
			Note: _____		
			Well intake opening type: <input type="checkbox"/> Open end, <input type="checkbox"/> Open hole, <input checked="" type="checkbox"/> Other <u>screened</u>		
			Screen type: <u>Stainless Steel</u> , Screen mesh size: <u>80</u>		
			Screen start: <u>76</u> ft, Screen stop: <u>86</u> ft, Perforated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			Perforation description: _____ Perf from: _____ ft, Perf to: _____ ft, Perf from: _____ ft, Perf to: _____ ft		
			Gravel packed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel start: _____ ft, Gravel stop: _____ ft		
			Note: _____		
			Static water (from top of casing): <u>3</u> ft on <u>4 / 1 / 2023</u> Artesian well <input type="checkbox"/>		
			Pumping level & yield: _____ feet after <u>6</u> hours at <u>100</u> gpm		
			Method of testing: _____		
			Development method: <u>Air</u> Duration: <u>1 hour</u>		
			Recovery rate: _____ gpm		
			Grout type: <u>Bentonite</u> Volume <u>8 bags</u>		
			Depth: From <u>3</u> ft, To <u>40</u> ft		

Include description or sketch of well location (include road names, buildings, etc.):

Final pump intake depth: _____ ft Model: _____
 Pump size: _____ hp Brand name: _____
 Was well disinfected upon completion? Yes No
 Method of disinfection: _____
 Was water quality tested? Yes No
 Water quality parameters tested: _____
 Well driller name: William Bean
 Company name: E. AND D. WATER WELLS
 Mailing address: 3530 W. Spence lane
 City: Wasilla State: AK Zip: 99623
 Phone number: (907) 373 - 1598
 Driller's signature: _____
 Date: _____ / _____ / _____

AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a) require that a copy of the well log be submitted to the Department of Natural Resources within **45 days of well completion**. Well logs may be submitted using the online well log reporting system available at:
<https://dnr.alaska.gov/welts/>
 OR email electronic well logs to
dnr.water.reports@alaska.gov

Anchorage Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require that a copy of this well log be submitted to the Development Services Department/City within **30 days of well completion**.
 City Permit Number: _____
 Date of Issue: _____ / _____ / _____
 Parcel Identification Number: _____ - _____ - _____

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press



E&D Water Wells

3530 West Spence Ln.
Wasilla, AK 99623
(907) 373-1598 Fax: (907) 357-1598



Borough	Subdivision	Lot	Block	Section QTRS.	Section	Township	Range	Meridian
MADSU	WINTER ROSE	T 1						SEWARD
Location / Sketch <i>Winter Rose</i>				Well Owner <i>H5 CONSTRUCTION</i>				
Depths Measured From: <input checked="" type="checkbox"/> Casing Top <input type="checkbox"/> Ground Surface				Well Depth:		Date Of Completion		
Borehole Data: Material Type & Color				Depth From To		Depth of Hole: <i>86</i> Ft. Depth of Casing: <i>76</i> Ft.		<i>4/1/23</i>
<i>stick-up</i>		<i>0</i>	<i>3</i>	Depth To Static Water Level: <i>3</i> Ft. Below <input checked="" type="checkbox"/> Top of Casing <input type="checkbox"/> Ground Surface Date: <i>4/1/23</i>				
<i>Water, gravel, organic</i>		<i>3</i>	<i>35</i>	Method Of Drilling: <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other: _____				
<i>Sand, gravel, lite clay</i>		<i>35</i>	<i>55</i>	Use Of Well: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Monitor <input type="checkbox"/> Public Supply <input type="checkbox"/> Other				
<i>Water, gravel</i>		<i>55</i>	<i>86</i>	Casing Stick-Up: <i>3</i> Ft. Diam: <i>6</i> In. to _____ Ft. Casing Type: <i>A53B STEEL</i> <i>1.25</i> In. to _____ Ft.				
				Well Intake Opening Type: <input type="checkbox"/> Open End <input checked="" type="checkbox"/> Screened <input type="checkbox"/> Perforated <input type="checkbox"/> Open Hole				
				Depths Of Openings: <i>86</i> To: <i>76</i> Ft.				
				Screen Type: <i>Stainless</i> Diameter: <i>5</i> In. _____ Slot/Mesh Size: <i>.80</i> Length: <i>10</i> Ft. _____				
				Gravel Pack Type: <i>N/A</i> Volume Used: _____ Depth to Top: _____				
				Grout Type: <i>Bentonite</i> Volume: <i>8 bags</i> Depth: From <i>3</i> Ft. to <i>40</i> Ft. _____				
<i>Drilled to 20' using 10" casing - filled with bentonite and removed 10" casing sleeve</i>				Development Method: <i>Air</i> Duration: <i>3 hours</i>				
				Pumping Level & Yield: _____ Ft. After <i>6</i> Hrs. Pumping <i>100</i> gpm				
				Pump Intake Depth: _____ Ft. Horsepower: _____ Well Disinfected Upon Completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

CONTRACTOR INFORMATION:

E&D Water Wells, LLC.
Registered Business Name

Paul Bear *4/3/23*
Signature of Authorization Representative Date

REMARKS: Drilled beyond 86' to

try and pick up more water but
picked up clay. Pulled back to
86' and set 10' of .80 slot screen.
Excellent flow!
JOB #043040123