82856

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

WATER WELL LOG Revised 08/18/2016

Drilling Started: 1 / 26 / 2022 Completed: 1 / 26 / 2022 Pump Install: 1 / 28 / 2022

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough	Moonlight Lake Estates	1	4	Judy Reinhart 8710 S Twilight Dr AK, 99654

Well location: Latitude 61.4786453 **Longitude** -149.744431
Meridian S Township 016N Range 003W Section 13 , SW 1/4 of NE 1/4 of SW 1/4 of NW 1/4

BOREHOLE DATA: (from ground surface)
Suggest T.**M. Hanna's hydrogeologic classification system*** https://my.ngwa.org/NC__Product?id=a185000000BYub3AAD

	Depth From	To
Steel casing	0	2
Brown silty gravels	2	18
Brown sandy silty gravels	18	45
Saturated silty gravels	45	62
Brown silty gravel	62	76
Coarse gravel and water	76	80

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

North

Drilling method: ☒ Air rotary, ☐ Cable tool, ☐ Other
Well use: ☐ Public supply, ☒ Domestic, ☐ Reinjection, ☐ Hydrofracking ☐ Commercial, ☐ Observation/Monitoring, ☐ Test/Exploratory, ☐ Cooling, ☐ Irrigation/Agriculture, ☐ Grounding, ☐ Recharge/Aquifer Storage, ☐ Heating, ☐ Geothermal Exploration, ☐ Other
Fluids used:

Depth of hole: 80 ft Casing stickup: 2 ft
Casing type: Steel Casing thickness: 0.25 inches
Casing diameter: inches Casing depth: 80 ft
Liner type: Depth: ft Diameter: inches
Note:

Well intake opening type: ☒ Open end, ☐ Open hole, ☐ Other open end
Screen type: , Screen mesh size:
Screen start: ft, Screen stop: ft, Perforated ☐ Yes ☒ No
Perforation description: Perf from: ft, Perf to: ft, Perf from: ft, Perf to: ft
Gravel packed ☐ Yes ☒ No Gravel start: ft , Gravel stop: ft
Note:

Static water (from top of casing): 22 ft on 1 / 27 / 2022 Artesian well ☐
Pumping level & yield: feet after hours at gpm
Method of testing:
Development method: air lift Duration: 1 Hour
Recovery rate: 30 gpm

Grout type: granular bentonite Volume 3.4 cu/ft
Depth: From 0 ft, To 10 ft

Final pump intake depth: 78 ft Model: S10P410231-03
Pump size: .5 hp Brand name: Pentek Sta-Rite

Was well disinfected upon completion? ☐ Yes ☒ No
Method of disinfection:
Was water quality tested? ☐ Yes ☒ No
Water quality parameters tested:

Well driller name: Travis Denevan
Company name: Valley Well Drilling
Mailing address: 4394 N Farm Loop Road
City: Palmer State: AK Zip: 99645
Phone number: (907) 746 - 4555
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

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WATER WELL LOG

Drilling Started: ____/____/_____ Completed: ____/____/_____ Pump Install: ____/____/_____

City/Borough:	Subdivision:	Block	Lot	Property Owner Name & Address:

Latitude _____ **Longitude** _____

Meridian _____ Township _____ Range _____ Section _____ , _____ 1/4 of _____ 1/4 of _____ 1/4 of _____ 1/4

BOREHOLE DATA: (from ground surface)

Suggest T.M. Hanna's hydrogeologic classification system *
https://info.ngwa.org/servicecenter/shopper/ProductDetail.cfm?ProdCompanyPassed=ngw&ProdCdPassed=ngw-t1030

	Depth From	Depth To

Drilling method: ☐ Air rotary, ☐ Cable tool, ☐ Other _____

Well use: ☐ Public supply, ☐ Domestic, ☐ Reinjection, ☐ Hydrofracking

Fluids used: _____

☐ Other _____

Depth of hole: _____ ft, Casing stickup: _____ft

Casing type:_____ Wall thickness _____ inches

Casing diameter: _____ inches Casing depth _____ ft

Liner type: _____ Depth:_____ ft Diameter: _____inches

Well intake opening type: ☐ Open end, ☐ Open hole , ☐ Other

Screen type: _____, Assembly From: _____ ft, To_____ ft

Slot size _____ From: _____ ft, To _____ ft

Slot size _____ From: _____ ft, To _____ ft

☐ Perforation description _____ From: _____ ft, To _____ ft

From: _____ ft, To _____ ft From: _____ ft, To _____ ft

Gravel packed ☐ Yes ☐ No From _____ ft , To _____ ft

Static water (from top of casing): _____ ft on ____/____/_____

Pumping level & yield: _____ feet after _____ hours at _____ gpm

Method of testing:_____

Development method:_____ Duration: _____

Recovery rate: _____ gpm

Grout type: _____ Volume _____

Depth: From _____ft, To _____ft

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: .....

Company name:.....

Mailing address:.....

City: _____ State: AK Zip _____

Phone number : (_____) _____- _____

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 forwarded to the Department of Natural Resources within 45 days of well completion. Please email well logs to:

dnr.water.reports@alaska.gov OR send to

Alaska DNR, MLW, Alaska Hydrologic Survey
550 West 7th Avenue, Suite 1020
Anchorage, AK 99501

Anchorage Municipal Code 15.55.060(I) requires that a copy of this well log be forwarded to the Development Services Department within 30 days of well completion.

City Permit Number: _____

Date of Issue: _____/____/_____

Parcel Identification Number: _____-_____-_____

Is well located at approved permit location? ☐ Yes ☐ No

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