86080

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

# WATER WELL LOG Revised 08/18/2016

Drilling Started: 8 / 27 / 2025 Completed: 8 / 28 / 2025 Pump Install: ___/___/_____

| City/Borough | Subdivision | Block | Lot | Property Owner Name & Address |
|---|---|---|---|---|
| | Wrangell Mtn Estates | 1 | 4 | Eli Potter , |

**Well location: Latitude** 61.406000000000006 **Longitude** -143.0027
Meridian C Township 005S Range 013E Section 25 , SE 1/4 of SW 1/4 of SE 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 |
|---|---|---|
| sand | 0 | 10 |
| sand and gravel | 10 | 20 |
| sand and gravel | 20 | 25 |
| sand, gravel, water | 25 | 30 |
| sand, gravel, water | 30 | 35 |
| silt, gravel, water | 35 | 40 |

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: 40 ft Casing stickup: 2 ft
Casing type: steel Casing thickness: .25 inches
Casing diameter: 6 inches Casing depth: 40 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): 14 ft on 8 / 28 / 2025 Artesian well ☐
Pumping level & yield: 18 feet after 3 hours at 10 gpm
Method of testing: pump
Development method: _____ Duration: _____
Recovery rate: 20 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: LUKE-N-SONS INC.....
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 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

# STATE OF ALASKA
## DEPARTMENT OF NATURAL RESOURCES
## DIVISION OF MINING, LAND & WATER
### WATER WELL LOG

Drilling Started: 8/27/25, Completed: 8/28/25

| City/Borough: | Subdivision: | BLOCK | LOT | Property Owner Name & Address: |
|---|---|---|---|---|
| MCCARTHY (UN-INCORPORATED) | WRANGELL MTN ESTATES | 1 | 4 | ELI POTTER McCARTHY |

Meridian CRM Township ____ Range 13E Section 34, T5S 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4

| BOREHOLE DATA: (from ground surface) Material: Type, Color & wetness | Depth From | Depth To |
|---|---|---|
| SAND | 0 | 10 |
| SAND & GRAVEL | 10 | 20 |
| SAND & GRAVEL | 20 | 25 |
| SAND, GRAVEL WATER | 25 | 30 |
| SAND, GRAVEL - WATER | 30 | 35 |
| SILT, GRAVEL - WATER | 35 | 40 |

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

Well use: ☐ Public supply, ☐ Domestic, ☐ Other ____

Depth of hole: 40 ft, Casing stickup: 2 ft

Casing type: STEEL Thickness 250 inches

Casing diameter: 6 inches Casing depth 40 ft

Liner type: ____ Diameter: ____ inches Depth: ____ ft

Note: ....

Static water (from top of casing): 14 ft on 8/29/25

Pumping level & yield: 18 feet after 3 hours at 10 gpm

Recovery rate: 20 gpm, Method of testing: PUMP

Development method: ____ Duration: ____

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

☐ Screened; Start: ____ ft, Stopped ____ ft

Screen type: ____ Slot/mesh size ____

☐ Perforated; Start: ____ ft, Stopped ____ ft

Start: ____ ft, Stopped ____ ft

Gravel packed ☐ Yes ☐ No From ____ ft to ____ ft

Note: ....

Grout type: ____ Volume ____

Depth; from ____ ft, to ____ ft

Pump intake depth: ____ ft

Pump size ____ hp Brand name ____

Was well disinfected upon completion? ☐ Yes ☐ No

Method of disinfection: ....

Driller comments/ disclaimers: ....

....

....

Well driller name: LUKE DEMIENTIEFF JR

Company name: LUKE-N-SONS INC.

Mailing address: 845 STOL DRIVE

City: NORTH POLE State: AK Zip 99705

Phone number: (907) 251-1788

Drillers signature: [signature]

Date: 9/1/25

Alaska state law requires that a copy of this well log be forwarded to the Department of Natural Resources within 45 days (AK statutes 38.05.020, 38.05.035, 41.08.020, 46.15.020 and AK regulations 11 AAC 93.140). Faxes are acceptable.

Alaska DNR, Division of Mining, Land and Water,
550 W 7th Avenue, Suite 1020
Anchorage, AK 99501-3562

Phone (907)269-8639 and fax (907)269-8947

If the well is within city limits, the City of Anchorage requires that a copy of this well log be forwarded to the city within 60 days and another copy of this log be forwarded to the owner of the property, on which the well is located, within 30 days.

City Permit Number: ____

Date of Issue: ____/____/____

Parcel Identification Number: ____-____-____

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