

STATE OF ALASKA 54014 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

| Drilling Started: 6 / 29 / 2018 Compl | | Comple | oleted: 6 / 30 / 2018 Pump Install:// | | | | | |
|---|--------------------|-------------|---------------------------------------|---|--|--|--|--|
| City/Borough | Subdivis | ion | Block | Lot Property Owner Name & Address | | | | |
| Aleutians East Borough | | | | Silver Bay Seafoods 4039 21st ave. W ste 201 WA, 9819 | | | | |
| Well location: Latitude 54.8703117 Longitude -163.408966 | | | | | | | | |
| Meridian S Township 061S Range 094W Section 27 , SW 1/4 of NW 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 | | | | Drilling method: ■Air rotary, □Cable tool, □Other Well use: ■Public supply, □Domestic, □Reinjection, □Hydrofracking □Commercial, □Observation/Monitoring, □Test/Exploratory, □Cooling, | | | | |
| | | <u>From</u> | <u>To</u> | ☐Irrigation/Agriculture,☐Grounding,☐Recharge/Aquifer Storage, | | | | |
| Cobbley sandy gravel | | 0 | 7 | ☐ Heating, ☐ Geothermal Exploration, ☐ Other | | | | |
| Gravelly sandy silt wet | | 7 | 53 | Fluids used: | | | | |
| Cobbley sandy gravel water | | 53 | 55 | Depth of hole: 70.5 ft Casing stickup: 4 ft Casing type: Steel Casing thickness: 0.25 inches | | | | |
| , , , | | 55 | 57 | Casing type. Steel Casing trickless. 6.25 Inches Casing diameter: 8 inches Casing depth: 62.5 ft | | | | |
| Cobbley sandy gravel (water) | | 57 | 70 | Liner type: Depth: ft Diameter:inches | | | | |
| | | | | Note: | | | | |
| | | | | Well intake opening type: Open end, Open hole, Other other | | | | |
| | | | | Screen type: Stainless steel, Screen mesh size: 60 Screen start: 62.5 ft, Screen stop: 70.5 ft, Perforated Yes No | | | | |
| | | | | Perforation description: ft, Perforation | | | | |
| | | | | 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): 10.6 ft on/ Artesian well | | | | |
| | | | | Pumping level & yield: 15.3 feet after 24 hours at 277 gpm Method of testing: submersible pump | | | | |
| | | | | Development method: Duration: | | | | |
| | | | | Recovery rate: 20 gpm | | | | |
| | | | | Grout type: Standing bentonite column Volume 2 bags | | | | |
| Include description or sketch of w | vell location (inc | clude road | names, | Depth: From 0ft, To 10ft Final pump intake depth:ft Model: 275H | | | | |
| buildings, etc.): | | | | Pump size: 40 hp Brand name: Goulds | | | | |
| | | | | Was well disinfected upon completion? ■ Yes No | | | | |
| | | | | Method of disinfection: Chlorine tablets | | | | |
| | | | | Was water quality tested? ■ Yes No | | | | |
| | | | | Water quality parameters tested: Bacteria and metals | | | | |
| | | | | Well driller name: | | | | |
| | | | | Company name: ALPINE DRILLING AND ENTERPRISES Mailing address: PO BOX 110496 | | | | |
| | | | | City: ANCHORAGE State: AK Zip: 99511 | | | | |
| Neth | | | | Phone number: () | | | | |
| 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: | | | | Driller's signature: | | | | |
| | | | | Date:/ | | | | |
| | | | | Anchorage Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require | | | | |
| https://dnr.alaska.gov/welts/ | | | | that a copy of this well log be submitted to the Development Services Department/City within 30 days of well completion . | | | | |
| OR email electronic well logs to | | | | City Permit Number: Date of Issue:// | | | | |
| dnr.water.reports@alaska.gov | | | | Parcel Identification Number: | | | | |



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

WATER WELL LOG

| | Drilling S | started: 6 | / 29 | /18 Completed: 6 /30 /18 Pump Install: bd / / |
|---|--|--------------------------|---|---|
| City/Borough: | Subdivision: | Block | Lot | Property Owner Name & Address: |
| Aluetian East Bourough | N/A | | | SILVER BAY SEAFOODS 4039 21ST Ave. W Ste 201 Seattle, Wa 98199 |
| Latitude 54.87031 | 9 N | Longitu | de 163.40 | 890 W |
| Meridian Seward | Township 618 R | lange 94W | Section | on 27 , 1/4 of 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 To | | | | Drilling method: Air rotary, Cable tool, Other Well use: Public supply, Domestic, Reinjection, Hydrofracking Fluids used: Other |
| Cobbly sandy gravel | | 0 | 7 | Depth of hole: 70.5 ft, Casing stickup: 4.0 ft |
| Gravelly sandy silt wet | | 7 | 53 | Casing type: Steel Wall thickness 0.25 inches Casing diameter: 8 inches Casing depth 62.5 ft |
| Cobbly sand | y gravel Water | 53 | 55 | Casing type: Steel Wall thickness 0.25 inches Casing diameter: 8 inches Casing depth 62.5 ft Liner type: Depth: ft Diameter: inches |
| gravelly silty | sand (water) | 55 | 57 | Well intake opening type: Open end, Open hole, Other |
| cobbly sandy gravel (water) | | 57 | 70.5 | Screen type: stainless steel Assembly From: 62.5 ft, To 70.5 ft Slot size 60 From: 02.0 ft, To 70.5 ft |
| cobbly salley | cobbly sally glavel (water) | | 10.0 | Slot size 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): 106 ft on / / |
| | | | | Static water (from top of casing): 10.6 ft on// Pumping level & yield: 15.3 feet after 24 hours at 277 gpm |
| | | | | Method of testing: submersible pump |
| | | | ¥ | Method of testing: submersible pump Development method: Duration: Recovery rate: 20 min. gpm |
| | | | | |
| | | | Grout type: standing Bentonite Column Volume 2 bages Depth: From surface ft. To 10° ft | |
| | | | | |
| | | | | Final pump intake depth: TBD ft Model: 275H ft Model: |
| | | | Was well disinfected upon completion? Yes No | |
| | | | Method of disinfection: chlorine lables | |
| | | - | | Was water quality tested? Yes No |
| | | | | Water quality parameters tested: Bacteria and metals |
| | | | | |
| | | | Well driller name: Pavid L. Hanper | |
| | | | | Company name: Alpine Onling & Enterprises Mailing address: PO Box 110496 |
| | | | | City: Anchorage State: AK Zip 99511 |
| AC 41 00 020% | VA) and AAC 11 AAC 0 | 3 140(0) = | ouiro i | Phone number: (907) 345-16202 |
| 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 | | | | Driller's signature: Durit K. Harger |
| Department of Natural Resources within 45 days of well completion. Please email well logs to: | | | | Date: 2 /21 201-9' |
| dnr.water.reports@alaska.gov OR send to | | | | Anchorage Municipal Code 15.55.060(I) requires that a copy |
| | | | | of this well log be forwarded to the Development Services |
| Alaska DNR, MLW, Alaska Hydrologic Survey | | | | Department within 30 days of well completion. |
| 550 West 7 th Avenue, Suite 1020 | | | i | City Permit Number: |
| Anchorage, AK 99501 | | | | Date of Issue: |
| uide for Using the H ater Well Boreholes | Hydrogeologic Classification by Thomas M. Hanna NGI | n System for NA Press | Logging | Parcel Identification Number: |