



STATE OF ALASKA 83590
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____/____/____ Completed: 5 / 7 / 1997 Pump Install: ____/____/____

| | | | | |
|--------------|-------------|-------|-----|-------------------------------|
| City/Borough | Subdivision | Block | Lot | Property Owner Name & Address |
| | | | | Wolverine Supply Inc , |

Well location: Latitude 61.50898 Longitude -144.45122
Meridian C Township 004S Range 005E Section 23 SW 1/4 of NW 1/4 of SW 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=a185000000BYub3AAD

| | Depth | |
|-------------------------------|-------|-----|
| | From | To |
| Gravel pad | 0 | 5 |
| Coarse gravel and silt | 5 | 30 |
| Sand and gravel | 30 | 47 |
| Silty sand | 47 | 106 |
| Sand and gravel | 106 | 117 |
| Silty sand | 117 | 122 |
| Sand and gravel | 122 | 126 |
| Coarse gravel and silt | 126 | 130 |
| Gravel and silt | 130 | 200 |
| Moist gravel and silt | 200 | 208 |
| Moist gravel with little clay | 208 | 218 |
| Silty gravel and little water | 218 | 223 |
| Coarse gravel and water | 223 | 260 |
| | | |
| | | |
| | | |
| | | |
| | | |

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

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: 260 ft Casing stickup: 3 ft

Casing type: Steel Casing thickness: .25 inches

Casing diameter: 6 inches Casing depth: 260 ft

Liner type: _____ Depth: _____ ft Diameter: _____ inches

Note: _____

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

Screen type: _____, Screen mesh size: _____

Screen start: 155 ft, Screen stop: 160 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): 200 ft on ____/____/____ Artesian well ☐

Pumping level & yield: _____ feet after _____ hours at 35 gpm

Method of testing: _____

Development method: _____ Duration: _____

Recovery rate: _____ gpm

Grout type: Bentonite Volume _____

Depth: From _____ ft, To _____ ft

Final pump intake depth: _____ ft Model: _____

Pump size: 3 hp Brand name: Grundfos

Was well disinfected upon completion? ☒ Yes ☐ No

Method of disinfection: Chlorine

Was water quality tested? ☐ Yes ☒ No

Water quality parameters tested: _____

Well driller name: _____

Company name: HEFTY DRILLING

Mailing address: _____

City: _____ State: AK Zip: _____

Phone number: (_____) _____ - _____

Driller's signature: _____

Date: ____/____/____

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: _____ - _____ - _____

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

HEFTY DRILLING

Well Water - It's naturally better!

3540 AKULA DRIVE
ANCHORAGE, ALASKA 99516TELEPHONE:
(907) 345-0593

8223662

Permit Number _____ Date Of Issue 5-20-97 Tax Identification Number 92-013-7958Date Started _____ Date Completed 5-7-97 Is well located at approved permit location? ☐ Yes ☐ No

| Legal Description | Block | Lot | Property Owner Name & Address: |
|--------------------------------------|-------|-----|--|
| | | | Wolverine Spr. Inc. 5101 East 2nd Highway Wasilla, AK 99591 |
| | | | Chitina Well |
| Corehole Data: | Depth | | Method Of Drilling: <input checked="" type="checkbox"/> air rotary <input type="checkbox"/> cable tool |
| Soil Type & Thickness & Water Strata | From | To | |
| Gravel Pad | 0 | 5 | Casing Type: <u>Steel</u> Wall Thickness <u>.025</u> inches |
| Coarse Gravel + Silt | 5 | 30 | Diameter <u>6</u> inches, depth <u>300</u> feet |
| Sand + Gravel | 30 | 47 | Liner Type: _____ Dia. water _____ inches, depth _____ feet |
| Silty Sand | 47 | 106 | Casing Stickup Above Iron Rd: <u>3</u> feet |
| Sand + Gravel | 106 | 117 | Static Water Level (from ground level): <u>200</u> feet |
| Silty Sand | 117 | 122 | Pumping Level: _____ feet at _____ hrs. pumping _____ gpr. |
| Sand + Gravel | 122 | 126 | Recovery Rate: _____ gpr |
| Coarse Gravel + Silt | 126 | 130 | Method Of Testing: _____ |
| Gravel + Silt | 130 | 200 | Well Intake Opening Type: <input checked="" type="checkbox"/> Screened: Start <u>25</u> feet |
| Moist Gravel + Silt | 200 | 208 | <input type="checkbox"/> Perforations Start _____ feet Stopped _____ feet |
| Moist Gravel w/ little clay | 208 | 218 | Grout Type: <u>Bentonite</u> Volume _____ feet, to _____ feet |
| Silty Gravel + little water | 218 | 223 | Depth: from _____ feet |
| Coarse Gravel + Water | 223 | 260 | Pump Intake Depth: _____ feet |
| | | | Pump Size <u>3</u> hp Brand Name <u>Grundfos</u> |
| | | | Well Disinfected Upon Completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | Method Of Disinfection <u>10 ppm</u> |
| | | | Comments: GPM = <u>35</u> |
| | | | Well Driller Name <u>John Kukian</u> |
| | | | Company <u>Hefty Drilling</u> |
| | | | Mailing Address <u>3540 Akula Dr.</u> |
| | | | City <u>Anch.</u> State <u>AK</u> Zip <u>99516</u> |

AQUIFER TEST FIELD DATA SHEET

Page 1 of 1Project No. AK94C-010004 Project Name AK INDDUPLES Well # TAUNTONLocation of Well ChitinaDepth of Well 210 ft. Length of Casing 210 ft. Pumped Well/Observation WellIf Observation Well, Dist. to Pumped Well _____ ft. Top of Casing to Static Level 200Date Drilling Completed 5/20/97 Driller Todd K. Kowalski Date Tested 5/20/97

| Clock Time | Elapsed Time Since Pumping Started/Pumped | Depth to Drawdown water @ <u>30</u> gpm From TOC Recovery | Clock Time | Elapsed Time Since Pumping Started/Stopped | Depth to Drawdown Water @ _____ gpm From TOC Recovery |
|------------|---|---|------------|--|---|
|------------|---|---|------------|--|---|

First 5 MIN.

Recovery.

| | | | |
|-----|----------|----|---------------|
| 1 | 200' 4" | 1 | 200' 5" |
| 2 | 200' 8" | 2 | 200' 4" |
| 3 | 200' 8" | 3 | 200' 4" |
| 4 | 200' 9" | 4 | Full Recovery |
| 5 | 200' 9" | 5 | |
| 10 | 200' 9" | | |
| 15 | 200' 10" | 10 | |
| 20 | 200' 10" | 15 | |
| 25 | 200' 11" | 20 | |
| 30 | 200' 11" | 25 | |
| 40 | 201' | 30 | |
| 50 | 201' | 35 | |
| 60 | 201' | 40 | |
| 70 | 201' | 45 | |
| 80 | 201' | 50 | |
| 90 | 201' | 55 | |
| 120 | 201' | | |
| 150 | 201' | | |
| 180 | 201' | | |
| 210 | 201' | | |
| 240 | 201' | | |