42936

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

WATER WELL LOG Revised 08/18/2016

Drilling Started: 7 / 14 / 2015 Completed: 7 / 15 / 2015 Pump Install: ___/___/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Fairbanks North Star Borough	ASLS 90 124		B-2B	Stuart Daries AK,

Well location: Latitude 64.6647034 **Longitude** -147.148087

Meridian F Township 003S Range 003E Section 09 , NW 1/4 of NW 1/4 of SE 1/4 of SE 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	Depth To
sandy silt	0	4
dry gravel	4	12
water bearing gravel	12	39

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: 1 ft

Casing type: STEEL Casing thickness: .25 inches

Casing diameter: _____ inches Casing depth: _____ 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): 13 ft on 7 / 15 / 2015 Artesian well ☐

Pumping level & yield: 14 feet after 12 hours at 20 gpm

Method of testing: air lift

Development method: _____ Duration: _____

Recovery rate: _____ gpm

Grout type: BENTONITE Volume 2.5 50 lb sacks

Depth: From 7 ft, To 20 ft

Final pump intake depth: 28 ft Model: _____

Pump size: .75 hp Brand name: _____

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: ICE WATER WELL INC.

Mailing address: P.O. BOX 10529

City: FAIRBANKS State: AK Zip: 99710

Phone number: (07) 457 - 6444

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

Department of Natural Resources
Division of Mining, Land & Water

NOV 16 2015

Director's Office
Anchorage

Ice Water Well Inc.
P.O. Box 10529
Fairbanks, AK 99710

WATER WELL LOG

Drilling Started: 7 / 14 / 15 Completed: 7 / 15 / 15 Pump Install: 7 / 15 / 15

City/Borough:	Subdivision:	Block	Lot	Property Owner Name & Address:
F.N.S.B	ASLS 90-124		B-2B	Stuart Daries - Artic Harvest Distillery P.O. Box 56597 FBKS. AK 99705

Latitude 64° 39' 15.97 N. Longitude 147° 8' 52.57 W
Meridian ____ Township 3S Range 3E Section 28 ____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4

BOREHOLE DATA:
- From: TOP of CASING

	Depth From	Depth To
Stick up Above Grade	0	1
Sandy silt	1'	5'
Dry Gravel	5'	13'
Water Bearing Gravel	13'	40'

Drilling method: [X] Air rotary, [ ] Cable tool, [ ] Other ____
Well use: [ ] Public supply, [ ] Domestic, [ ] Reinjection, [ ] Hydrofracking
Fluids used: H2O
[ ] Other ____

Depth of hole: 40 ft, Casing stickup: 2 ft
Casing type: Steel Wall thickness .250 inches
Casing diameter: Six inches Casing depth 40 ft
Liner type: NONE Depth: ____ ft Diameter: ____ inches

Well intake opening type: [X] Open end, [ ] Open hole, [ ] Other
Screen type: NONE, Assembly From: ____ ft, To ____ ft
Slot size ____ From: ____ ft, To ____ ft
Slot size ____ From: ____ ft, To ____ ft
[X] Perforation description 4" x 1/8 From: 35' ft, To 40 ft
From: ____ ft, To ____ ft From: ____ ft, To ____ ft
Gravel packed [ ] Yes [X] No From ____ ft, To ____ ft

Static water (from top of casing): 13 ft on 7 / 15 / 2015
Pumping level & yield: 14 feet after 12 hours at 20 gpm
Method of testing: ____
Development method: AIR lift Duration: 2 HRS
Recovery rate: ____ gpm

Grout type: Bentonite Volume 2 1/2 50 lb SAC
Depth: From 7 ft, To 20 ft

Final pump intake depth: 28' ft Model: 18GS07412
Pump size 3/4 hp Brand name Goulds

Was well disinfected upon completion? [X] Yes [ ] No
Method of disinfection: Chlorine
Was water quality tested? [ ] Yes [X] No
Water quality parameters tested: ____

Well driller name: Lee Ice
Company name: Ice Water Well INC.
Mailing address: P.O. Box 10529
City: Fairbanks State: AK Zip 99710
Phone number: (907) 457-6444

legal description: Tract B-2B ASLS 90-124
Street add: 4753 Eielson Farm Rd.
Pan # 0653165 (F.N.S.B.)
Neighborhood - 0502 Salcha - Moose Creek
Parcel: Tr B-2B