



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

39354

WATER WELL LOG Revised 08/18/2016

Drilling Started: ____ / ____ / ____ Completed: 9 / 25 / 1998 Pump Install: ____ / ____ / ____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Kenai Peninsula Borough	FAIRWAY ESTATES	2	1A	VEAN NOBLE 27020 JOHANSEN DRIVE AK, 99610

Well location: Latitude _____ Longitude _____
Meridian S _____ Township 005N Range 010W Section 27 _____, _____ 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://my.ngwa.org/NC_Product?id=a185000000BYub3AAD

	Depth	
	From	To
MEDIUM TO COARSE GRAVEL BACKFILL	0	8
LOGS, TOPSOIL AND SAND	8	12
MEDIUM TO FINE GRAVELS AND SAND	12	24
WET, SILTY, FINE GRAVELS WITH SAND	24	40
WET, MEDIUM TO FINE, BROWN SAND WITH PEA GRAVELS	40	43
DRY, SILTY, MEDIUM TO FINE GRAVELS	43	68
MEDIUM TO COARSE GRAVELS WITH SAND. WATER BEARING	68	71
MEDIUM TO COARSE GRAVELS. WATER BEARING	71	74
MEDIUM TO COARSE SAND WITH GRAVELS	74	75
MEDIUM TO FINE, SILTY, BLUE SAND WITH GRAVELS	75	78
SOFT, BLUE CLAY	78	87
SOFT, BLUISH GREEN CLAY	87	91
WET, FIRM, BROWN SILT	91	109
WET, MEDIUM TO FINE GRAVELS WITH SAND AND CLAY CHUNKS	109	112
MEDIUM TO FINE, BLUE SAND. WATER BEARING	112	123
MEDIUM TO COARSE SAND. WATER BEARING	123	124
SILT LAYER	124	125

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: 145 _____ ft Casing stickup: _____ ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: _____ inches Casing depth: _____ 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: 125 _____ ft, Screen stop: 145 _____ 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: 5 FEET OF #12 SLOT FROM 125-130; 10 FEET OF #14 SLOT FROM 130-140; 5 FEET OF #12 SLOT FROM 140-145 FEET

Static water (from top of casing): 59.17 _____ ft on ____ / ____ / ____ Artesian well ☐

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

Method of testing: _____

Development method: _____ Duration: _____

Recovery rate: _____ gpm

Grout type: UNKNOWN Volume _____

Depth: From 0 _____ ft, To 20 _____ 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: ECHO LAKE DRILLING COMPANY

Mailing address: P.O. BOX 551

City: SOLDOTNA State: AK Zip: 99669

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

ECHO LAKE DRILLING COMPANY

P.O. Box 551
Soldotna, Alaska 99669

(907) 262-4816 Phone/FAX

39354

PWSID 249523

Noble Laundry

Soldotna

September 25, 1998

Mr. V. Noble
HC 2 - Box 552
Soldotna, Alaska 99669

Re: Water well - 6" drilled and cased.
Lot 2, Block 2, Fairway Estates Subd.

WATER WELL DRILLING LOG

0- 8	Medium to coarse gravel backfill.
8- 12	Logs, topsoil and sand.
12- 24	Medium to fine gravels and sand. (Well was grouted from 0 to 20 feet. ¹)
24- 40	Wet, silty, fine gravels with sand.
40- 43	Wet, medium to fine, brown sand with pea gravels.
43- 68	Dry, silty, medium to fine gravels.
68- 71	Medium to coarse gravels with sand. Water bearing.
71- 74	Medium to coarse gravels. Water bearing.
74- 75	Medium to coarse sand with gravels.
75- 77	Medium to fine, silty, blue sand with gravels.
78- 87	Soft, blue clay.
87- 91	Soft, bluish-green clay.
91-109	Wet, firm, brown silt.
109-112	Wet, medium to fine gravels with sand and clay chunks.
112-123	Medium to fine, blue sand. Water bearing.
123-124	Medium to coarse sand. Water bearing.
124-125	Silt layer.
125-130	Medium to fine sand. Water bearing.
130-140	Medium to coarse sand. Water bearing.
140-145	Medium to fine sand. Water bearing.

Well has 20 feet of screen set from 125 to 145 feet.
5 feet of # 12 slot from 125 to 130, 10 feet of # 14 slot from 130 to 140,
and 5 feet of # 12 slot from 140 to 145 feet.
Static water level - 59'-2" from top of casing.

¹ Well was started with 8" conductor casing. After completion, the 8" casing was withdrawn and simultaneously Bentonite grout was introduced in the annular space between the 6" casing and the bore hole.

ECHO LAKE DRILLING COMPANY

P.O. Box 551
Soldotna, Alaska 99669

(907) 262-4816 Phone/FAX

39354

RECEIVED

MAY 27 1998

Department of
Environmental Conservation
KDO

September 8, 1998

Mr. Vean Noble
HC 2 - Box 552
Soldotna, Alaska 99669

Re: 4 hour pump test.

Lot 2, Block 2, Fairway Estates Subd.

Water well - 6" drilled and cased to the depth of 145 feet.

All measurements are from the top of the casing.

Static water level, 59'-2".

Pumping rate - 60 gallons per minute.

DATE	TIME	DRAW DOWN Feet - Inches	ELAPSED TIME Hours - Min.	GALLONS PUMPED
9-8-98	1:30 PM	59 - 2 (Static)	0 - 00	0
	1:35	71 - 2	0 - 05	300
	1:40	71 - 3	0 - 10	600
	1:45	71 - 4	0 - 15	900
	1:50	71 - 5	0 - 20	1200
	2:00	71 - 6	0 - 30	1800
	2:15	71 - 7	0 - 45	2700
	2:30	71 - 7 1/2	1 - 00	3600
	2:45	71 - 8	1 - 15	4500
	3:00	71 - 8 1/2	1 - 30	5400
	3:15	71 - 8 1/2	1 - 45	6300
	3:30	71 - 9	2 - 00	7200
	3:45	71 - 9	2 - 15	8100
	4:00	71 - 9 1/2	2 - 30	9000

39354

Page 2

DATE	TIME	DRAW DOWN Feet - Inches	ELAPSED TIME Hours - Min.	GALLONS PUMPED
9-8-98	4:30 PM	71 - 10	3 - 00	10800
	5:00	71 - 10	3 - 30	12600
	5:30	71 - 10 1/2	4 - 00	14400

5:30 PM Pump was shut off.

Recovery

5:35	59 - 10	0 - 05
5:40	59 - 6 1/2	0 - 10
5:45	59 - 5	0 - 15