



STATE OF ALASKA 24495
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: / / Completed: 5 / 13 / 1998 Pump Install: / /

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Kenai Peninsula Borough	WILLOW BROOK NORTH		L266	M GEBGARD ,

Well location: Latitude 60.517274999999984 Longitude -151.17507
Meridian S Township 005N Range 011W Section 15 SE 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	To
Topsoil	0	2
Sand	2	8
Gravel and sand	8	32
Clay	32	54
Sand/ gravel	54	74
Clay	74	98
Silt	98	115
Clay	115	130
Gravel and sand	130	149

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: 149 ft Casing stickup: _____ ft

Casing type: _____ Casing thickness: _____ inches

Casing diameter: _____ inches Casing depth: 149 ft

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

Note: FULL CASE

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

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): 49 ft on / / Artesian well ☐

Pumping level & yield: 77 feet after 24 hours at 150 gpm

Method of testing: _____

Development method: _____ Duration: _____

Recovery rate: _____ 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: W.S. & S.CO. _____

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

24495



WS & S Co.

WATER SYSTEMS & SERVICE

Rt. 1, Box 1517

Kenai, Alaska 99611

907-776-8066



LAJ 22294

COMMUNITY WELL

Dated this Thirtieth day of May, 1998

~~XXX~~ Hall Quality Builders
P.O. Box 2829
Kenai, Alaska 99611

Dear ~~XXX~~ Hall Quality Builders

The following is a well log which is located on Lot 266 Block Willow Brook North Commercial Well #1 Subdivision, located in the Kenai Recording District. As you have requested said well to be drilled, we are submitting the following information regarding your well:

0 To	2 Feet	Top Soil
2 To	8 Feet	Sand
8 To	32 Feet	Gravel/ Sand
32 To	54 Feet	Clay
54 To	74 Feet	Sand/ Gravel
74 To	98 Feet	Clay
98 To	115 Feet	Silt
115 To	130 Feet	Clay
130 To	149 Feet	Gravel/ Sand

Static water level at 49 feet draw down

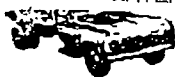
A submersible pump with a rating of 10 h.p. was set as requested and the well yield has the capacity of 150 g.p.m. A screen was ~~set~~ set as requested or required.

We thank you for choosing Water Systems & Service Company to serve your water well needs. If you have any further questions or problems, please call

Sincerely,

Kenneth D. Dyer or Antionette R. Dyer
Owners

585-11-15 DDD



W S & S CO.

WATER SYSTEMS & SERVICE

Rt 1, Box 1317

Kenai, Alaska 99611

907-776-8066

Project: Hall Quality Builders Commercial Well # 1
 Project No.: Lot 266 Willow Brook North
 Comp. By: Water Systems & Service Co.
 Date: 5/30/98

WELL CASING:

Diameter: 6"

Depth: 149'

Hgt. above Ground: 2.5' Recovery: 45 min

WATER LEVEL:

Static: 49'

Drawdown: 28'

PUMP:

Type: 10 HP

Depth: 147'

SCREEN: 1

Depth: 144' to 149'

Size: # 40

WATER SYSTEM FLOW TEST

<u>Time</u>	<u>Elapsed Time Min.</u>	<u>Depth To Water, Ft.</u>	<u>Drawdown/ Recovery</u>	<u>Flow</u>	<u>Total Gallons</u>
10:00 Am	0	49 (swl)	0	0 GPM	0
10:30	30	61	12'	150	4500
11:00	60	64	15'	150	9000
11:30	90	66	17'	150	13500
12:00 pm	120	69	20'	150	18000
12:30	150	71	22'	150	22500
1:00	180	74	25'	150	27000
1:30	210	76	27'	150	31500
2:00	240	77	28'	150	36000

Recovery

10:00am 5/31/98		77	0	0
10:10	10	72	5'	
10:20	20	66	11'	
10:30	30	59	18'	
10:45	45	49	28'	
11:00	60	49	28'	

Antwanell L. Dye
 Signature

5-31-98
 Date

Flow Test continued from Commercial Well # 1
Willow Brook North Lot 266

<u>Time</u>	<u>Elapsed Time Min.</u>	<u>Depth To Water, Ft.</u>	<u>Drawdown/ Recovery</u>	<u>Flow</u>	<u>Total Gallon</u>
3:00	300	77	28'	150	45000
4:00	360	77	28'	150	54000
5:00	420	77	28'	150	63000
6:00	480	77	28'	150	72000
7:00	540	77	28'	150	81000
8:00	600	77	28'	150	90000
9:00	660	77	28'	150	99000
10:00	720	77	28'	150	108000
11:00	780	77	28'	150	117000
5/31/98 12:00am	840	77	28'	150	126000
1:00	900	77	28'	150	135000
2:00	960	77	28'	150	144000
3:00	1020	77	28'	150	153000
4:00	1080	77	28'	150	162000
5:00	1140	77	28'	150	171000
6:00	1200	77	28'	150	180000
7:00	1260	77	28'	150	189000
8:00	1320	77	28'	150	198000
9:00	1380	77	28'	150	207000
10:00	1440	77	28'	150	216000