55995

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

WATER WELL LOG Revised 08/18/2016

Drilling Started: ___/___/_____ Completed: 6 / 28 / 2017 Pump Install: ___/___/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Municipality of Anchorage	Yagheli Tinitun		1	Eklutna Construction And Maintenance AK,

Well location: Latitude 61.447835 **Longitude** -149.305266
Meridian S Township 016N Range 001E Section 29 , NE 1/4 of NW 1/4 of NE 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
Overburden	0	2
Silty sand and gravel	2	11
Silty sand and gravel with clay	11	28
Silty sand and gravel with clay and water	28	37
Clay gravel	37	72
Hardpan	72	95
Bedrock gray	95	238
Bedrock Hard	238	247
Bedrock gray with quartz	247	298

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: 298 ft Casing stickup: 2 ft
Casing type: Steel Casing thickness: 0.25 inches
Casing diameter: 4 inches Casing depth: 102 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: 30 ft, Perf to: 37 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 ft on 7 / 8 / 2017 Artesian well ☐
Pumping level & yield: _____ feet after _____ hours at _____ gpm
Method of testing: air
Development method: _____ Duration: _____
Recovery rate: 3.4 gpm

Grout type: Bentonite Volume 50lbs
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: Chlorine 50PPM
Was water quality tested? ☐ Yes ■ No
Water quality parameters tested: _____

Well driller name: Cole Sullivan
Company name: SULLIVAN WATER WELLS
Mailing address: P.O. BOX 670269
City: CHUGIAK State: AK Zip: 99567
Phone number: (07) 688 - 2759
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

WELL LOG ID 55995

Certified Drilling Log

DOC CO dba

BILL & COLE SULLIVAN WATER WELLS

P.O. Box 670269, Chugiak, AK 99567 688-2759

OWNER OF LAND: Eklutna Construction & Maintenance
ADDRESS:
LEGAL DESCRIPTION Yagheli Tinitun Lot 1
DATE: 6-28-17
PERMIT NUMBER: DATE OF ISSUE:
TAX IDENTIFICATION NUMBER
Is well located at approved permit location: ☐ Yes ☐ No
Method of Drilling: ☒ air rotary ☐ cable tool
Depth of Well: 300'
Casing Type: Steel Wall thickness .250 inches
Diameter: 6 inches, depth 104 feet
Liner type
Static Water Level: 10 feet
Recovery Rate 3.4 ☒ gpm ☐ gph
Method of Testing Air
Well Intake Opening Type: ☒ open end ☐ open hole
☐ Screened Start feet Stopped
☒ Perforations Start 32 feet Stopped 39
Grout Type: Bentonite Volume: 50 lbs
Depth: from 2 feet, to ? feet
Well Disinfected Upon Completion: ☒ yes ☐ no
Method of Disinfection: Chlorine 50 PPM

Comments:
Well #2 (Closest to Eklutna Road)

Bore Hole Data		
Depth From	To	
0	2	Casing Stickup
2	4	Overburden
4	13	Silty Sand & Gravel
13	30	Silty Sand & Gravel w/ Clay
30	39	Silty Sand & Gravel w/ Clay & Water
39	74	Clay Gray
74	97	Hardpan
97	240	Bedrock Gray
240	249	Bedrock Hard
249	300	Bedrock Gray w/ Quartz

Drillers Name: Cole Sullivan

ATTENTION: It is the responsibility of the property owner to submit a copy of the well log to the proper authority. Municipality of Anchorage: Department of Health & Human Services and/or Department of Environmental Conservation. MatSu Borough: Department of Environmental Conservation.

SULLIVAN WATER WELLS
Drilling • Piling • Pumps

P.O. Box 670269 Chugiak, AK 99567
P: (907) 688-2759 F: (907) 688-2259

Date: 7-7-17 to 7-8-17

Eklutna Construction & Maintenance
CITC- Ernie Turner Center

Yagheli Tinitun Lot 1

Flow Test Report

Time:	Static:	Meter:	GPM:
2:20 PM	10	1713	5
2:25	18	1734	4
2:30	18.6	1752	4.5
2:35	18.9	1770	4.5
2:40	19.4	1788	4
3:00	20.8	1865	3.8
3:33	21.4	1990	3.5
4:00	21.4	2090	3.5
4:30	21.4	2197	3.5
5:00	21.4	2303	3.5
6:00	21.4	2507	3.4
7:00	21.4	2711	3.4
8:00	21.4	2916	3.4
9:00	21.4	3119	3.4
10:00	21.4	3328	3.4
11:00	21.4	3527	3.4
12:00	21.4	3731	3.4
1:00	21.4	3934	3.4
2:00 AM	21.4	4140	3.4
3:00	21.4	4343	3.4
4:00	21.4	4547	3.4
5:00	21.4	4751	3.4
6:00	21.4	4956	3.4
7:00	21.4	5159	3.4
8:00	21.4	5380	3.4
9:00	21.4	5584	3.4
10:00	21.4	5788	3.4
11:00	21.4	5992	3.4
12:00	21.4	6197	3.4
1:00	21.4	6400	3.4
2:00	21.4	6604	3.4
2:20 PM	21.4	6664	3.4

Sediment from perforations sanded up the pump during first test. New pump was set above perforations in order to continue test successfully.

Resting Static: 10'

Average GPM: 3.438