



85102

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: 7 / 24 / 2023 Pump Install: ___/___/___

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Municipality of Anchorage	JINDRA JEWEL RANCH BEAR MOUNTAIN PHASE		12A	Bear Mountain Condos ,

Well location: Latitude 61.39695499999999 **Longitude** -149.45908
 Meridian S _____ Township 015N Range 001W Section 16 , NE 1/4 of NE 1/4 of NW 1/4 of NE 1/4

<p>BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC_Product?id=a18500000BYub3AAD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2" style="text-align: center;">Depth</th> </tr> <tr> <th style="text-align: center;">From</th> <th style="text-align: center;">To</th> </tr> </thead> <tbody> <tr><td>overburden</td><td style="text-align: center;">0</td><td style="text-align: center;">2</td></tr> <tr><td>sand and gravel</td><td style="text-align: center;">2</td><td style="text-align: center;">6</td></tr> <tr><td>silt and gravel</td><td style="text-align: center;">6</td><td style="text-align: center;">30</td></tr> <tr><td>silty sand and gravel</td><td style="text-align: center;">30</td><td style="text-align: center;">37</td></tr> <tr><td>silt and gravel</td><td style="text-align: center;">37</td><td style="text-align: center;">52</td></tr> <tr><td>silty sand and gravel</td><td style="text-align: center;">52</td><td style="text-align: center;">56</td></tr> <tr><td>sand and some gravel</td><td style="text-align: center;">56</td><td style="text-align: center;">61</td></tr> <tr><td>gravel silt</td><td style="text-align: center;">61</td><td style="text-align: center;">68</td></tr> <tr><td>gravel damp</td><td style="text-align: center;">68</td><td style="text-align: center;">75</td></tr> <tr><td>silty gravel</td><td style="text-align: center;">75</td><td style="text-align: center;">88</td></tr> <tr><td>silt with some gravel</td><td style="text-align: center;">88</td><td style="text-align: center;">97</td></tr> <tr><td>silt</td><td style="text-align: center;">97</td><td style="text-align: center;">110</td></tr> <tr><td>silt with some gravel</td><td style="text-align: center;">110</td><td style="text-align: center;">113</td></tr> <tr><td>silty gravel</td><td style="text-align: center;">113</td><td style="text-align: center;">117</td></tr> <tr><td>silt</td><td style="text-align: center;">117</td><td style="text-align: center;">131</td></tr> <tr><td>silt with some gravel</td><td style="text-align: center;">131</td><td style="text-align: center;">136</td></tr> <tr><td>silt and clay with some gravel</td><td style="text-align: center;">136</td><td style="text-align: center;">172</td></tr> </tbody> </table>		Depth		From	To	overburden	0	2	sand and gravel	2	6	silt and gravel	6	30	silty sand and gravel	30	37	silt and gravel	37	52	silty sand and gravel	52	56	sand and some gravel	56	61	gravel silt	61	68	gravel damp	68	75	silty gravel	75	88	silt with some gravel	88	97	silt	97	110	silt with some gravel	110	113	silty gravel	113	117	silt	117	131	silt with some gravel	131	136	silt and clay with some gravel	136	172	<p>Drilling method: <input checked="" type="checkbox"/> Air rotary, <input type="checkbox"/> Cable tool, <input type="checkbox"/> Other _____ Well use: <input type="checkbox"/> Public supply, <input type="checkbox"/> Domestic, <input type="checkbox"/> ReInjection, <input type="checkbox"/> Hydrofracking <input type="checkbox"/> Commercial, <input type="checkbox"/> Observation/Monitoring, <input type="checkbox"/> Test/Exploratory, <input type="checkbox"/> Cooling, <input type="checkbox"/> Irrigation/Agriculture, <input type="checkbox"/> Grounding, <input type="checkbox"/> Recharge/Aquifer Storage, <input type="checkbox"/> Heating, <input type="checkbox"/> Geothermal Exploration, <input type="checkbox"/> Other _____ Fluids used: _____ Depth of hole: <u>202</u> ft Casing stickup: <u>2</u> ft Casing type: <u>Steel</u> Casing thickness: <u>.25</u> inches Casing diameter: <u>6</u> inches Casing depth: <u>202</u> ft Liner type: _____ Depth: _____ ft Diameter: _____ inches Note: _____ Well intake opening type: <input checked="" type="checkbox"/> Open end, <input type="checkbox"/> Open hole, <input type="checkbox"/> Other <u>open end</u> Screen type: _____, Screen mesh size: _____ Screen start: _____ ft, Screen stop: _____ ft, Perforated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforation description: _____ Perf from: _____ ft, Perf to: _____ ft, Perf to: _____ ft Gravel packed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gravel start: _____ ft, Gravel stop: _____ ft Note: _____ Static water (from top of casing): <u>133</u> ft on ___/___/___ Artesian well <input type="checkbox"/> Pumping level & yield: _____ feet after _____ hours at _____ gpm Method of testing: <u>air</u> Development method: _____ Duration: _____ Recovery rate: <u>35</u> gpm Grout type: <u>benetone</u> Volume <u>5 bags</u> Depth: From <u>0</u> ft, To <u>40</u> ft Final pump intake depth: _____ ft Model: _____ Pump size: _____ hp Brand name: _____ Was well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Method of disinfection: <u>chlorine 50ppm</u> Was water quality tested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Water quality parameters tested: _____ Well driller name: _____ Company name: <u>SULLIVAN WATER WELLS</u> Mailing address: _____ City: _____ State: <u>AK</u> 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: _____ - _____ - _____</p>
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Include description or sketch of well location (include road names, buildings, etc.):

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:

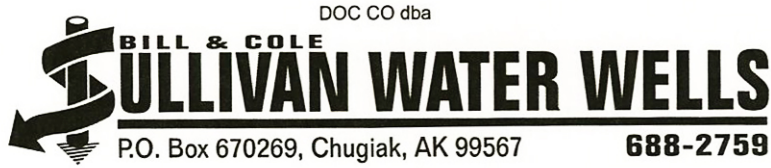
<https://dnr.alaska.gov/welts/>

OR email electronic well logs to

dnr.water.reports@alaska.gov

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

Certified Drilling Log



OWNER OF LAND: Bear Mountain Condos
 ADDRESS: 22717 Sherman Street Chugiak, AK 99567
 LEGAL DESCRIPTION Tundra Jewel Ranch Lot 12A Bear Mountain Phase 1

DATE: 7-24-23
 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: 204'
 Casing Type: Steel Wall thickness .250 inches
 Diameter: 6 inches, depth 204 feet
 Liner type _____

Static Water Level: 133 feet
 Recovery Rate 35 gpm gph

Method of Testing Air
 Well Intake Opening Type: open end open hole

Screened Start _____ feet Stopped _____
 Perforations Start _____ feet Stopped _____

Grout Type: Bentonite Volume: 5 bags
 Depth: from 2 feet, to 42 feet

Well Disinfected Upon Completion: yes no
 Method of Disinfection: Chlorine 50 PPM

Comments:

Bore Hole Data		
Depth		
From	To	
0	2	Casing Stickup
2	4	Overburden
4	8	Sand & Gravel
8	32	Silt & Gravel
32	39	Silty Sand & Gravel
39	54	Silt & Gravel
54	58	Silty Sand & Gravel
58	63	Sand & Some Gravel
63	70	Gravel Silt
70	77	Gravel damp
77	90	Silty Gravel
90	99	Silt w/ Some Gravel
99	112	Silt
112	115	Silt w/ Some Gravel
115	119	Silty Gravel
119	133	Silt
133	138	Silt w/ Some Gravel
138	174	Silt & Clay w/ Some Gravel
174	204	Sand & Gravel

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.