25537

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 / 5 / 2005 Pump Install: ___/___/_____

City/Borough	Subdivision	Block	Lot	Property Owner Name & Address
Matanuska-Susitna Borough	WELLINGFIELD WEST 1	B1	L01	Wellingfield West Homeowners Association ,

Well location: Latitude 61.55856 **Longitude** -149.31272
Meridian S Township 017N Range 001E Section 17 , SW 1/4 of NW 1/4 of SW 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
fill	0	2
silty gravel, sand	2	30
hardpan, gravel	30	37
silty sand	37	44
hardpan, gravel	44	65
fine silty sand and gravel	65	110
clay	110	130
silt, silty gravel, sand	130	153
hardpan, gravel	153	195
sand, gravel, water	195	200
fine silty sand, silt	200	235
fine silty sand, gravel, silt	235	250
fine silty sand	250	265
silt	265	273
fine silty sand	273	285
silt	285	318
clay	318	321

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: 360 ft Casing stickup: _____ft
Casing type: _____ Casing thickness: _____ inches
Casing diameter: _____ inches Casing depth: 348 ft
Liner type: _____ Depth: _____ ft Diameter: _____inches
Note: CASE TO 348 FT, SCREEN AND TAIL TO 358 FT

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): 235 ft on___/___/_____ Artesian well ☐
Pumping level & yield: _____ feet after _____ hours at 72 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: Charles Lichenor
Company name: WHEATON WATER WELLS
Mailing address: PO BOX 1218
City: WASILLA State: AK Zip: 99687
Phone number: (07) 376 - 2041
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

25537
SA17-1-17 DCBB

WELL #2

WHEATON WATER WELLS, INC.
PO Box 871218, Wasilla, AK 99687
(907) 376-2041

WELL LOG

LAS 2903

Name: Wellingfield West Homeowners Association
Address: P.O. Box 190087
City: Anchorage **State:** AK **Zip Code:** 99519

Well Site: Wellingfield West Div. I **Lot:** 1 **Block:** 1
Additional:

Well Depth:	360 ft.
Below Ground:	358 ft.
Above Ground:	2 ft.
Gal/Min:	72
Static Level:	235 ft.
Casing:	6" ID Steel
Liner Pipe:	none
Screened:	10' - 50 slot w/tail
Perforated:	none
Grouted:	Bentonite
Depth:	20' +
Develop. Method:	Air
Use of Well:	Commercial
Drilling Method:	Rotary
Fluids Used:	none
Pump Installed:	none
Other:	none

From:	To:	Formation:
0	2	fill
2	30	silty gravel, sand
30	37	hardpan, gravel
37	44	silty sand
44	65	hardpan, gravel
65	110	fine silty sand and gravel
110	130	clay
130	153	silt, silty gravel, sand
153	195	hardpan, gravel
195	200	sand, gravel, water
200	235	fine silty sand, silt
235	250	fine silty sand, gravel, silt
250	265	fine silty sand
265	273	silt
273	285	fine silty sand
285	318	silt
318	321	clay
321	325	fine silty sand
325	345	silt
345	357	silty gravel, sand, water
357	360	bedrock

Date Drilled: 7-5-05 **Driller:** Milo Pitner

N19 W39 DCBB

WATERWELL - TEST PUMP REPORT

Conducted by Anchorage Well & Pump Service, Inc.

Owner: Wellingfield West HOA **Address:** Lot 1 Block 1 Wellingfield West Subdivision-Div 1
Well Location: Lot 1 Block 1 Wellingfield West Subdivision-Division 1

Well Information: **Total Depth:** 360' **Depth of Casi ing: 350'**
Screen From: 350' **TO: 360'** **Casing Size:** 6"
Screen Diam: 5 1/4" **Screen Slot: 50 Slot**
Remarks:

Pump Infromation: Intake Depth: 310' Air Line Depth: Electronic
Static Water Level: 202' Average Discharge: 24 +/-
GPM Max Drawdown:

Pump On: Time: 2:30 PM Date: 6/27/2007
Pump Off: Time: 2:30 PM Date: 6/28/2007

ELAPSED	WATER LEVEL #2		FLOW GPM	METER	WATER LEVEL #1		COMMENTS
TIME	FEET	METERS			FEET	METERS	
2:30 PM	202.0	61.6	0.0	9381420	190.9	58.2	FILTHY-GRAY-SAND
2:35 PM	218.0	66.5	39.2	9381616	193.2	58.9	
2:40 PM	219.0	66.8	38.4	9381808	194.5	59.3	HEAVY GRAY CAST+SILT
2:45 PM	222.0	67.7	37.6	9381996	198.1	60.4	HEAVILY GASTIFIED
2:50 PM	223.0	68.0	40.8	9382200	201.7	61.5	MILKY GRAY CAST-SAND
2:55 PM	224.0	68.3	37.2	9382386	205.7	62.7	
3:00 PM	225.0	68.6	37.6	9382574	208.6	63.6	
3:15 PM	227.0	69.2	35.0	9383100	211.2	64.4	3315
3:30 PM	230.3	70.2	36.0	9383640	212.5	64.8	HEAVILY AERATED
4:00 PM	230.9	70.4	36.8	9384744	214.8	65.5	
4:30 PM	231.6	70.6	37.0	9385856	215.5	65.7	
5:00 PM	232.6	70.9	35.8	9386930	222.7	67.9	
5:30 PM	236.5	72.1	34.6	9387970	225.0	68.6	21.4A
6:00 PM	245.3	74.8	35.4	9389032	230.3	70.2	
6:30 PM	251.9	76.8	34.4	9390064	236.2	72.0	3558
7:00 PM	254.2	77.5	32.5	9391040	239.8	73.1	
7:30 PM	252.9	77.1	29.6	9391930			AIR LOCKING @50'+ SUBMERGENCE

WATERWELL - TEST PUMP REPORT

Continued

ELAPSED	WATER LEVEL #2		FLOW GPM	METER	WATER LEVEL #1		COMMENTS
TIME	FEET	METERS			FEET	METERS	
8:00PM	245.3	74.8	32.3	9392900	245.7	74.9	AIR LOCKING
8:30PM	239.4	73.0	24.0	9393620	246.0	75.0	AIR LOCKING
9:00PM	236.2	72.0	30.0	9394520	248.3	75.7	AIRLOCKING SLOW
9:30PM	231.9	70.7	31.3	9395460	249.9	76.2	HEAVILY AERATED
10:00PM	230.3	70.2	27.3	9396280	251.6	76.7	HEAVILY AERATED
10:30PM	229.3	69.9	29.0	9397150	253.2	77.2	HEAVILY AERATED
11:00PM	230.3	70.2	27.0	9397960	254.5	77.6	
12:00AM	226.0	68.9	20.6	9399200	252.6	77.0	AIRLOCKED SLOW PURGE
1:00AM	229.6	70.0	10.3	9399280	251.6	76.7	
2:00AM	230.6	70.3	13.8	9400650	250.9	76.5	
3:00AM	231.2	70.5	15.5	9401580	250.9	76.5	
4:00AM	231.2	70.5	12.5	9402330	250.9	76.5	LESS AERATION CLEAR
5.00AM	231.9	70.7	12.5	9413080	249.6	76.1	3160 LESS AERATION CLEAR
6.00AM	233.5	71.2	16.3	9414060	250.3	76.3	3200 LESS AERATION CLEAR
7:00AM	235.8	71.9	20.6	9405300	251.9	76.8	
8:00 AM	237.8	72.5	19.3	9406460	253.9	77.4	WELL #1 ON - 4 GPM
9:00 AM	239.1	72.9	18.6	9407580	254.9	77.7	17.2 A = W #1 17.7 =W #2
10:00 AM	239.8	73.1	18.6	9408700	255.8	78.0	
11:00 AM	240.4	73.3	18.3	9409800	256.8	78.3	
12:00PM	240.8	73.4	18.3	9410890	257.2	78.4	3350
1:00PM	249.9	76.2	24.0	9412330	257.2	78.4	3450
2:00PM	249.9	76.2	25.3	9413850	257.2	78.4	3450
2:30PM	250.3	76.3	27.0	9414000	257.2	78.4	3480 - STOP PUMP

WATERWELL - RECOVERY

ELAPSED	WATER LEVEL			WELL # 1	
TIME	FEET	METERS			
	0.5	0.2			78.4
2:30PM	250.3	76.3			
2:40PM	231.9	70.7			
2:50PM	230.9	70.4			
3:00PM	230.9	70.4			
3:30PM	230.9	70.4			
4:00PM	230.9	70.4			
4:30PM	229.9	70.1			
5:00PM	229.3	69.9			
8:00PM	217.5	66.3		8:00	75.5
	0.0				END TEST