

STATE OF ALASKA 69435 DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started:// Com				15 / 2020 Pump Install://				
City/Borough	Subdivision Block		Block	Lot	Property Owner Name & Address			
Matanuska-Susitna Borough	h ARKOSE WDS PH I		8	Home Water Llc PO BOX 520777 AK, 99652-0777				
Well location: Latitude 61.			•	Longitude <u>-149.21727</u>				
Meridian S Towns	ship <u>018N</u> Ran	ge <u>001E</u>	Sectior		E1/4 of _ <u>SE</u> 1/4 of _ <u>SW</u> 1/4 of _ <u>NE</u> 1/4			
BOREHOLE DATA: (from of Suggest T.M. Hanna's hydrogometry://my.ngwa.org/NC Productions	eologic classific	cation sy 000BYub3		Well use:	thod: Air rotary, Cable tool, Other Public supply, Domestic, Reinjection, Hydrofracking cial, Observation/Monitoring, Test/Exploratory, Cooling,			
		From		☐Irrigation/Agriculture, ☐Grounding, ☐Recharge/Aquifer Storage,				
Top soil		0	2	Heating,	☐ Heating, ☐ Geothermal Exploration, ☐ Other			
Sand-gravel		2	42		d:			
Clay gravel		42	57	-	ole: 144 ft Casing stickup: 3 ft			
Hardpan gravel		57	62	Casing type: A53B Steel Casing thickness: 0.25 inches Casing diameter: 6 inches Casing depth: 128 ft				
Clay gravel		62	115	Liner type: Depth: ft Diameter:inches				
Water-sandy gravel		115	123	Note:				
Water sandy gravel		123	143		e opening type: Open end, Open hole, Other screened			
Bedrock		143	144	1	e: Stainless steel, Screen mesh size: 80 rt: 131 ft, Screen stop: 146 ft, Perforated Yes No			
					description:ft, Perform:ft, Perform:			
					ft, Perf from: ft, Perf to: ft			
				Gravel packed ☐Yes				
				Note: 60 slot (128-138); 80-slot (138-143)				
				Static water (from top of casing): 101 ft on 9 /16 /2020 Artesian well				
				Pumping level & yield: 105.6 feet after 24 hours at 77.6 gpm Method of testing: Aquifer test				
				Development method: Air and test pump Duration: 1 hour Recovery rate: gpm				
				: <u>None</u> Volume				
			Depth: Fromft, Toft					
Include description or sketch of buildings, etc.):	well location (inc	ciude road	i names,		o intake depth: ft Model:			
					:hp Brand name:			
					isinfected upon completion? Yes No			
				Was water quality tested? Yes No				
				Water quality parameters tested:				
				Well driller name: William Bean				
					name: E AND D WATER WELLS			
					dress: 3530 W. Spence lane			
			North	City: Wasilla State: AK Zip: 99623 Phone number: (907) 373 - 1598				
AS 41.08.020(b)(4) and AAC 1	1 AAC 93.140(a)) require t	hat a		nature:			
copy of the well log be submitted to the Department of Natural Resources within 45 days of well completion . Well logs may				Ŭ				
be submitted using the online well log reporting system			,a,	Anchorage N	/// Municipal Code 15.55.060(I) and North Pole Ordinance 13.32.030(D) require			
available at: https://dnr.alaska.gov/welts/				that a copy of	of this well log be submitted to the Development Services Department/City ys of well completion.			
OR email electronic well logs to				City Permit N Date of Issue	Number: e:/			
dnr.water.reports@alaska.gov				Parcel Identi	ification Number:			



3530 West Spence Ln. Wasilla, AK 99623



(907) 373-1598 Fax: (907) 357-1598

Borough Subdivision NW comer of future L8	Lot n.2	Block	Section QTRS. Section Township Range Meridian			
MATSU	A3		2 18N / E Sevan			
Location / Sketch Secons	D W	Well Owner				
9101 E. MILE	4-R6	AD	WM CONSTRUCTION			
Depths Measured From: Casing To	p Grou	nd Surface	Well Depth: Date Of Completion Depth of Hole: 144 Ft. Depth of Casing: 131 Ft. Depth of Casing: 131 Ft.			
Borchole Data: Material Type & Color	D From	epth To				
Stick up	0	3	Depth To Static Water Level: 103.4 Ft. Below ☐ Top of Casing ☐ Ground Surface			
TOP-SN'S	3	5	Date: 6 / 5 / 20 From Arctic Pump and Well report attached			
SANd-GRRUSC	5	45	Method Of Drilling: ■ Air Rotary □ Cable Tool □ Other:			
CLAY GRAVEC	45	60	Use Of Well: ☐ Domestic ☐ Irrigation ☐ Monitor ☐ Public Supply ☐ Other			
HARDPAR GRALL	60	65	Casing Stick-Up: 2' Ft. Diam: In. to Ft. Casing Type: ASI 85/50 In. to Ft.			
CLA, GRALL	65	118	Well Intake Opening Type: ☐ Open End ☐ Screened ☐ Perforated ☐ Open Hole			
water - sand, beach	118	126	Depths Of Openings:/			
water small, famil	126	145	Screen Type:, 5 (Airxic 98 STEE In. 6" Slot/Mesh Size: 60 - 10 Length: Ft.			
Brokeck	142		Volume Used: Depth to Top:			
			Grout Type:Volume:			
			Development Method: Ack - Test fumb Duration: Houre			
			Pumping Level & Yield: Ft. After Hrs. Pumping 42 ppn			
			Pump Intake Depth: Ft. Horsepower: Well Disinfected Upon Completion? Yes No			
CONTRACTOR INFORMATION: REMARKS: To be test puny						
Ex O water we	clis		15 of Stainless Steel SCREE			
Registered Business Name			10' of 60 Stat and 5' of 805			
1011			1 . 41 111 00 ()			

Signature of Authorization Representative Date



Arctic Pump & Well Inc.

Jim Sullivan, CPI
PO Box 770197
Eagle River, AK 99577
(907) 688-2510
(907) 243-2282
jim@arcticpump.com



Six Mile Subdivision Well 1

Actually Well 2

June 10, 2020 Flow Test Report

Project Name:

Duration (in minutes)	Water Level	Flow Rate
0	103.4	0
1		
5 ×	103.8	35
10		
15	104	44
20		
25	104.1	56
30		
35	104.2	71
40		
45	104.4	75
50		
55		
60	104.4	75
90		
120		
150		
180		
210		
240		
270		
300		

June 10, 2020

Flow Test Report

Project Name: Six Mile subdivision

Well 1

Well 2

Well Flow Test Recovery Report:

Duration (in minutes)	Water Level
0	
5	
10	
15	
20	103.4
25	
30	
35	
40	

Well 2 - 2nd flow test



WATERWELL - TEST PUMP REPORT

Conducted by Anchorage Well & Pump Service

330 E 76th Avenue, Anchorage AK 99518-2840 Ph: (907) 243-0740 Fax: (907) 243-0742

			6-Mile S	bubdivision	WELL INFORMATION	
Owner:		WM Construction LLC		Total Depth:	146	
Address:		<u>-</u>	PO B	OX 4042	Depth of Casing:	131
		<u>-</u>	Palmer	, AK 99645	Static Water Level:	104
Well Location	n:	-	9101 E Mile 6 Road		Casing Size:	6"
		-			Screen Slot:	10' 60slot/5' 80slot
PUMP INFOR	MATION				Screened From:	131
Intake Depth	:				Screened To:	146
Static Water	Level:	-		104	GPS:	
Max Drawdov	wn:	-	1.	6 feet	Remarks:	
Air Line Dept	h:	-			- 24 hour test. Goal 7	75 gpm - 100% of
Average Discharge:		77.6 gallons/minute		Engineered Design		
		-			- Near Well	
PUMP ON	Time:	11:33 am	Date: 9/16/2020		- Well 2	
PUMP OFF	Time:	11:46 am	Date:	9/17/2020		

NEAR WELL FlowTest

Beginning Flowmeter: 14105300 Ending Flowmeter: 14217000

Total Gallons Pumped: 111700 gallons Elapsed Time: 1440 minutes

Calculated GPM Pumped: 77.6

Drawdown on Pumped Well: 105.6-104 = 1.6 feet

<u>Date</u>	<u>Time</u>	Water Level	<u>Flowmeter</u>	Calc. Flow	E. Time	<u>GPM</u>	<u>Note</u>	
9/16/2020	11:27am	104					SWL	
9/16/2020	11:33am	104.4	14105300				Start	
9/16/2020	11:35	104.5	14105470	170	2	85	85 gpm	
9/16/2020	11:36	104.6	14105550	80	1	80		
9/16/2020	11:37	104.6	14105640	90	1	90		
9/16/2020	11:38	104.6	14105720	80	1	80		
9/16/2020	11:39	104.65	14105800	80	1	80		
9/16/2020	11:40	104.65	14105880	80	1	80		
9/16/2020	11:41	104.65	14105960	80	1	80		
9/16/2020	11:42	104.65	14106045	85	1	85		
9/16/2020	11:47	104.7	14106480	435	5	87		
9/16/2020	11:52	104.75	14106830	350	5	70		
9/16/2020	11:57	104.8	14107230	400	5	80		

m	9/17/2020	104.85	14107640	410	5	82	
)7	9/17/2020	104.9	14108010	370	5	74	
.2	9/17/2020	104.9	14108400	390	5	78	Slow down flow
.7	9/17/2020	104.9	14108760	360	5	72	
22	9/17/2020	105	14109100	340	5	68	
37	9/17/2020	105	14110245	1145	15	76	
52	9/17/2020	105.05	14111340	1095	15	73	
16	9/17/2020	105.4	14125650	14310	234	61	
00	9/17/2020	105.5	14140170	14520	194	75	
00	9/17/2020	105.6	14153970	13800	180	77	
m	9/17/2020	105.5	14168790	14820	195	76	
.1	9/17/2020	105.5	14182280	13490	176	77	
00	9/17/2020	105.6	14195130	12850	169	76	
00	9/17/2020	105.6	14208920	13790	180	77	
m	9/17/2020	105.6	14217000	8080	106	76	

Recovery

9/17/2020	11:47am	104.9
9/17/2020	11:48	104.9
9/17/2020	11:49	104.9
9/17/2020	11:50	104.9
9/17/2020	11:51	104.9
9/17/2020	11:56	104.8
9/17/2020	12:11	104.6
9/17/2020	12:26pm	104.6
9/17/2020	4:00pm	104