



E&D Water Wells

3530 West Spence Ln.

Wasilla, AK 99623

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

Well 2

Well 2?



Borough <i>MATSU</i>	Subdivision NW corner of future L8	Lot <i>A3</i>	Block	Section QTRS.	Section <i>2</i>	Township <i>18N</i>	Range <i>1E</i>	Meridian <i>SEWARD</i>
Location / Sketch <i>SECOND WELL</i> <i>9101 E. MILE 4 ROAD</i>				Well Owner <i>WM CONSTRUCTION</i>				
Depths Measured From: <input checked="" type="checkbox"/> Casing Top <input type="checkbox"/> Ground Surface				Well Depth: <i>near</i>		Date Of Completion <i>4/15/20</i>		
Borehole Data: Material Type & Color		Depth From To		Depth of Hole: <i>146</i> Ft.		Depth of Casing: <i>131</i> Ft.		
<i>Stick up</i>		<i>0 3</i>		Depth To Static Water Level: <i>103.4</i> Ft. Below <input checked="" type="checkbox"/> Top of Casing <input type="checkbox"/> Ground Surface				
<i>Top Soil</i>		<i>3 5</i>		Date: <i>6/5/20</i> From Arctic Pump and Well report attached				
<i>Sand-Gravel</i>		<i>5 45</i>		Method Of Drilling: <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other: _____				
<i>Clay Gravel</i>		<i>45 60</i>		Use Of Well: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Monitor <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> Other				
<i>Hardpan Gravel</i>		<i>60 65</i>		Casing Stick-Up: <i>3</i> Ft. Diam: <i>6</i> In. to _____ Ft. Casing Type: <i>AST B518X</i> <i>250</i> In. to _____ Ft.				
<i>Clay Gravel</i>		<i>65 118</i>		Well Intake Opening Type: <input type="checkbox"/> Open End <input checked="" type="checkbox"/> Screened <input type="checkbox"/> Perforated <input type="checkbox"/> Open Hole				
<i>Water-Sandy Gravel</i>		<i>118 126</i>		Depths Of Openings: <i>146</i> To: <i>131</i> Ft.				
<i>Water Sandy Gravel</i>		<i>126 145</i>		Screen Type: <i>STAINLESS STEEL</i> In. <i>6</i> Slot/Mesh Size: <i>60-80</i> Length: _____ Ft.				
<i>Bed Rock</i>		<i>145</i>		Gravel Pack Type: <i>NONE</i> Volume Used: _____ Depth to Top: _____				
				Grout Type: <i>NONE</i> Volume: _____ Depth: From _____ Ft. to _____ Ft.				
				Development Method: <i>AIR - Test pump</i> Duration: <i>1 HOUR</i>				
				Pumping Level & Yield: _____ Ft. After <i>1</i> Hrs. Pumping <i>42 +</i> gpm				
				Pump Intake Depth: _____ Ft. Horsepower: _____ Well Disinfected Upon Completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

CONTRACTOR INFORMATION:

E & D Water Wells

Registered Business Name

Ed Beam

Signature of Authorization Representative

Date

REMARKS: *to be test pumped*

15' of stainless steel screen
10' of 60 slot and 5' of 80 slot
Job #033041520



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:

<i>Duration (in minutes)</i>	<i>Water Level</i>	<i>Flow Rate</i>
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:

<i>Duration (in minutes)</i>	<i>Water Level</i>
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 Subdivision	WELL INFORMATION
Owner:		WM Construction LLC	Total Depth: 146
Address:		PO BOX 4042	Depth of Casing: 131
		Palmer, AK 99645	Static Water Level: 104
Well Location:		9101 E Mile 6 Road	Casing Size: 6"
			Screen Slot: 10' 60slot/5' 80slot
PUMP INFORMATION			Screened From: 131
Intake Depth:			Screened To: 146
Static Water Level:		104	GPS:
Max Drawdown:		1.6 feet	Remarks:
Air Line Depth:			- 24 hour test. Goal 75 gpm - 100% of
Average Discharge:		77.6 gallons/minute	Engineered Design
			- Near Well
			- Well 2
PUMP ON	Time: 11:33 am	Date: 9/16/2020	
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>	<u>Water Level</u>	<u>Flowmeter</u>	<u>Calc. Flow</u>	<u>E. Time</u>	<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	

9/17/2020	12:02pm	104.85	14107640	410	5	82		
9/17/2020	12:07	104.9	14108010	370	5	74		
9/17/2020	12:12	104.9	14108400	390	5	78	Slow down flow	
9/17/2020	12:17	104.9	14108760	360	5	72		
9/17/2020	12:22	105	14109100	340	5	68		
9/17/2020	12:37	105	14110245	1145	15	76		
9/17/2020	12:52	105.05	14111340	1095	15	73		
9/17/2020	3:46	105.4	14125650	14310	234	61		
9/17/2020	7:00	105.5	14140170	14520	194	75		
9/17/2020	10:00	105.6	14153970	13800	180	77		
9/17/2020	1:15am	105.5	14168790	14820	195	76		
9/17/2020	4:11	105.5	14182280	13490	176	77		
9/17/2020	7:00	105.6	14195130	12850	169	76		
9/17/2020	10:00	105.6	14208920	13790	180	77		
9/17/2020	11:46am	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