



# Fire Flow Report



City of Pompano Beach • Bureau of Fire Prevention  
100 West Atlantic Boulevard, Room 220 Pompano Beach, FL 33060  
Phone: (954) 786-4978

Date: 4 / 7 / 21 P.R.A. Number: \_\_\_\_\_

Project Name: Taha Marine Center

Project Address: 3109 E. Atlantic Blvd, Pompano Beach, FL 33062

Contact Name: Matthew Giani, P.E.

Company Name: Shah, Drotos & Associates

Mailing Address: 3410 N. Andrews Ave. Ext.

City: Pompano Beach State: FL Zip Code: 33064

Phone Number: 954-943-9433 Fax Number: 954-783-4754

Email Address: mattgiani@shahdrotos.com

## Proposed Building Information:

- ❖ Fire hydrant flow test must have been completed within a 12 month period for the address or project.
- ❖ Fire Flow. The flow rate of a water supply, measured at 20 psi residual pressure that is available for firefighting.
- ❖ Fire Flow Area. The floor area, in square feet, used to determine the required fire flow.
- ❖ A reduction in required fire flow of 75 percent shall be permitted when the building is protected throughout by an approved automatic sprinkler system. The resulting fire flow shall not be less than **1000 gpm**.

## Building Type and Size – As per NFPA Building Type Classifications (Refer to NFPA 1 chapter 18, Table 18.4.5.1.2 and Annex I)

Building Construction Type:	<u>VB</u>
Gross Square Footage (Fire Flow Area):	<u>5681</u>
Construction Type I(442), I(332), II(222) Square Footage of three largest floors:	<u>N/A</u>
Building Sprinkled: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
Required Fire Flow (GPM):	<u>2000</u>
Fire Flow 75% Reduction (GPM):	<u>1000</u>
Number of Hydrant Required:	<u>1</u>

Construction Cross Reference:	
I(442)	
I(322)	IA
II(222)	IB
II(111)	IIA
II(000)	IIB
III(211)	IIIA
III(200)	IIIB
IV(2HH)	IV
V(111)	VA
V(000)	VB

## New Site Developemnt:

- Label all existing/proposed water main sizes and location.
- Point of connections to public water.
  - Minimum two connections (looped system) for projects with a combination of multiple fire hydrants or systems that supply hydrants, fire sprinklers and domestic water supply.
- Fire hydrants and fire sprinkler supplies must have a separate taps on a looped supply.
- Location of minimum required fire hydrants.
  - Private hydrants painted silver.
  - Blue road marker in center of road lane.
- Location/size of fire sprinkler undergrounds.
- Location of fire sprinkler fire department connection.
  - Red road marker in center of road lane.

# P&Z

PZ20-12000051

6/23/2021



## Fire Prevention Fire Hydrant Flow Test



City of Pompano Beach • Bureau of Fire Prevention  
100 West Atlantic Boulevard, Room 220 Pompano Beach, FL 33060  
Phone: (954) 786-4695

City of Pompano Beach Fire Prevention will **WITNESS** all fire hydrant flow test that are required for fire flow purposes.

- City of Pompano Beach Code of Ordinances Title IX Chapter 95 Section 95.14(G). Fire hydrant flow tests.
  - The Fire Department shall witness all hydrant flow tests as required for fire protection systems.
  - All fire flow tests shall be in accordance with NFPA 291 and Broward County Amendments F-112.
  - Broward County Amendments F-112(e) - The static pressure at the water main shall be determined by a recorded method for a minimum twenty-four (24) hour period.
  - Moring of fire Hydrant static/residue connection contractor to provide documents of test equipment certification.

**Information:**

Date:	4-1-21
Company Requesting Flow Test:	Wiginton Fire Systems
Contact Name:	Michael Thompson
Contact Phone Number:	561-324-6731
Email Address:	mjt@wiginton.net
Associated Application Number:	n/a
Associated Project Name:	Taha Marine

**Proposed Date/Time for Fire Hydrant Flow Test: (8am – 9am)**

- Request Hydrant Flow Test minimum 72 hours in advance.
- Connection of Fire Hydrant for 24 hour static/residual must be between 0730hrs and 0830hrs.

Requested Date:	4-5-21	Time:	8am
Alternate Date:	4-6-21	Time:	8am

**Fire Hydrant Flow Test Location:**

Hydrant Location - Static/Residual:	Corner of Riverside and Atlantic Ave.
Hydrant Location - Flow:	Riverside

**Fire Hydrant Flow Test Witness Fee:**

There is a \$150.00 fee for performing each flow test. All tests will be completed within 5 business days. Please include map/sketch showing streets/cross streets & locations of flow and residual fire hydrants. Return flow test application to the Bureau of Fire Prevention with form of payment for \$150.00.

Make check and money orders payable to "CITY OF POMPANO BEACH"  
If mailing in application with payment send to the address listed below.

**Pompano Beach Fire Prevention**  
100 W. Atlantic Blvd. – Room 220  
Pompano Beach, FL 33060

NOTE TO TREASURY: Post to 001-0000-367.30-00

<b>Flow Test Equipment Certification:</b>	Yes	No	Date:
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Fire Hydrant Id	Flow Pitot PSI	Flow GPM	Static Pressure 24 hr. Low PSI	Static Pressure Before Flow	Residual PSI During Flow	Tip Size
	50	1053		80	69	2.5"
<b>Total Hydrant Flow:</b>						

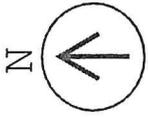
- Fire Flow Data to be completed and entered on site.
- Fire flow data provided to Fire Prevention at a later date, must be signed/sealed by the Engineer of Record.

Chris Simonson      J 4/6/21  
Person Conducting Flow Test:

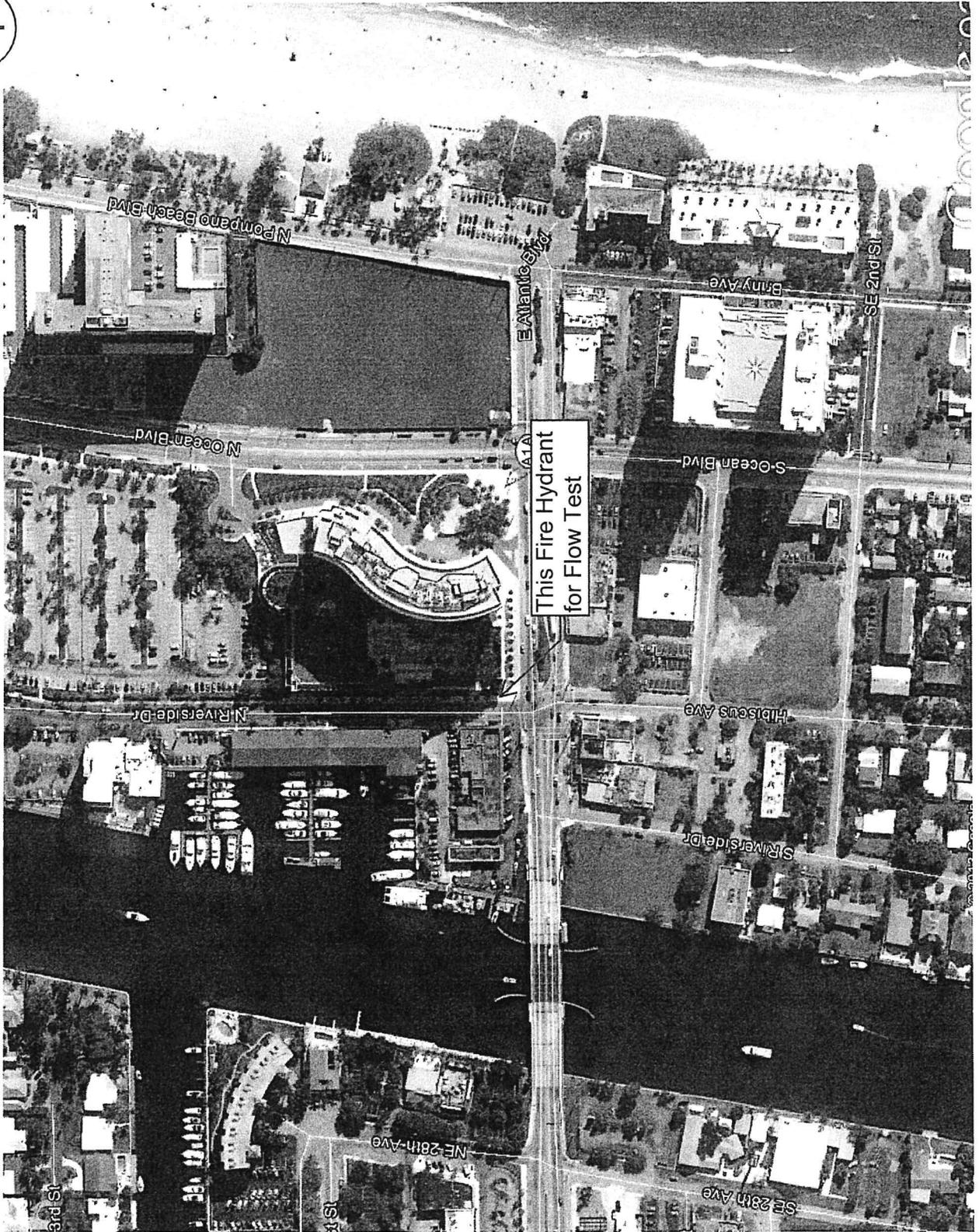
Fire Inspector Witnessing Flow Test:

P & Z

PZ20-12000051  
6/23/2021



Fire Hydrant Flow Test - Exhibit



**P&Z**

PZ20-1200051

6/23/2021

**Summary for Logger Memory: Taha Marine Flow Test**

---

**Logger Information**

Logger ID: C1582432  
Total Recordings: 54

**Logging Summary**

Logging StartedAt: 8:40:03 AM, 4/5/2021  
Last Sample Time: 8:35:03 AM, 4/6/2021  
Logging Interval: 5 Mins  
Recording Length: 23 Hrs, 55 Mins  
Total Samples Stored: 288  
Total Samples Recorded: 288

**Data Summary**

Pressure Min Value: -0.0 PSI                      Pressure Max Value: 82.6 PSI

**Alarm Summary**

*Low Alarm Did Not Occur*  
*High Alarm Did Not Occur*

Samp #	Pressure (PSI)	Date	Time	Samp #	Pressure (PSI)	Date	Time
1	72.6	4/5/2021	8:40:03 AM	68	76.0	4/5/2021	2:15:03 PM
2	72.9	4/5/2021	8:45:03 AM	69	74.8	4/5/2021	2:20:03 PM
3	72.0	4/5/2021	8:50:03 AM	70	74.9	4/5/2021	2:25:03 PM
4	72.4	4/5/2021	8:55:03 AM	71	75.5	4/5/2021	2:30:03 PM
5	69.3	4/5/2021	9:00:03 AM	72	76.4	4/5/2021	2:35:03 PM
6	72.6	4/5/2021	9:05:03 AM	73	75.2	4/5/2021	2:40:03 PM
7	70.9	4/5/2021	9:10:03 AM	74	76.3	4/5/2021	2:45:03 PM
8	72.2	4/5/2021	9:15:03 AM	75	75.5	4/5/2021	2:50:03 PM
9	71.9	4/5/2021	9:20:03 AM	76	74.9	4/5/2021	2:55:03 PM
10	73.0	4/5/2021	9:25:03 AM	77	72.9	4/5/2021	3:00:03 PM
11	72.0	4/5/2021	9:30:03 AM	78	74.9	4/5/2021	3:05:03 PM
12	72.7	4/5/2021	9:35:03 AM	79	75.1	4/5/2021	3:10:03 PM
13	70.8	4/5/2021	9:40:03 AM	80	75.7	4/5/2021	3:15:03 PM
14	72.2	4/5/2021	9:45:03 AM	81	75.6	4/5/2021	3:20:03 PM
15	71.6	4/5/2021	9:50:03 AM	82	75.9	4/5/2021	3:25:03 PM
16	72.9	4/5/2021	9:55:03 AM	83	75.6	4/5/2021	3:30:03 PM
17	71.5	4/5/2021	10:00:03 AM	84	75.9	4/5/2021	3:35:03 PM
18	73.4	4/5/2021	10:05:03 AM	85	76.0	4/5/2021	3:40:03 PM
19	72.9	4/5/2021	10:10:03 AM	86	76.3	4/5/2021	3:45:03 PM
20	72.2	4/5/2021	10:15:03 AM	87	75.7	4/5/2021	3:50:03 PM
21	72.9	4/5/2021	10:20:03 AM	88	74.5	4/5/2021	3:55:03 PM
22	74.4	4/5/2021	10:25:03 AM	89	76.7	4/5/2021	4:00:03 PM
23	74.1	4/5/2021	10:30:03 AM	90	74.2	4/5/2021	4:05:03 PM
24	73.8	4/5/2021	10:35:03 AM	91	65.4	4/5/2021	4:10:03 PM
25	72.4	4/5/2021	10:40:03 AM	92	74.9	4/5/2021	4:15:03 PM
26	74.5	4/5/2021	10:45:03 AM	93	75.6	4/5/2021	4:20:03 PM
27	73.4	4/5/2021	10:50:03 AM	94	74.2	4/5/2021	4:25:03 PM
28	72.9	4/5/2021	10:55:03 AM	95	75.9	4/5/2021	4:30:03 PM
29	74.1	4/5/2021	11:00:03 AM	96	75.2	4/5/2021	4:35:03 PM
30	74.0	4/5/2021	11:05:03 AM	97	75.1	4/5/2021	4:40:03 PM
31	78.4	4/5/2021	11:10:03 AM	98	75.1	4/5/2021	4:45:03 PM
32	73.3	4/5/2021	11:15:03 AM	99	75.1	4/5/2021	4:50:03 PM
33	72.3	4/5/2021	11:20:03 AM	100	74.5	4/5/2021	4:55:03 PM
34	74.9	4/5/2021	11:25:03 AM	101	75.1	4/5/2021	5:00:03 PM
35	74.1	4/5/2021	11:30:03 AM	102	73.5	4/5/2021	5:05:03 PM
36	72.9	4/5/2021	11:35:03 AM	103	74.5	4/5/2021	5:10:03 PM
37	74.5	4/5/2021	11:40:03 AM	104	75.7	4/5/2021	5:15:03 PM
38	75.1	4/5/2021	11:45:03 AM	105	74.8	4/5/2021	5:20:03 PM
39	74.5	4/5/2021	11:50:03 AM	106	74.8	4/5/2021	5:25:03 PM
40	74.2	4/5/2021	11:55:03 AM	107	74.0	4/5/2021	5:30:03 PM
41	73.8	4/5/2021	12:00:03 PM	108	74.9	4/5/2021	5:35:03 PM
42	73.4	4/5/2021	12:05:03 PM	109	75.3	4/5/2021	5:40:03 PM
43	74.1	4/5/2021	12:10:03 PM	110	74.2	4/5/2021	5:45:03 PM
44	72.7	4/5/2021	12:15:03 PM	111	75.1	4/5/2021	5:50:03 PM
45	74.5	4/5/2021	12:20:03 PM	112	74.5	4/5/2021	5:55:03 PM
46	74.1	4/5/2021	12:25:03 PM	113	73.5	4/5/2021	6:00:03 PM
47	75.2	4/5/2021	12:30:03 PM	114	73.8	4/5/2021	6:05:03 PM
48	74.5	4/5/2021	12:35:03 PM	115	74.4	4/5/2021	6:10:03 PM
49	74.6	4/5/2021	12:40:03 PM	116	73.4	4/5/2021	6:15:03 PM
50	73.8	4/5/2021	12:45:03 PM	117	74.4	4/5/2021	6:20:03 PM
51	74.5	4/5/2021	12:50:03 PM	118	74.2	4/5/2021	6:25:03 PM
52	75.9	4/5/2021	12:55:03 PM	119	75.3	4/5/2021	6:30:03 PM
53	74.5	4/5/2021	1:00:03 PM	120	74.0	4/5/2021	6:35:03 PM
54	74.5	4/5/2021	1:05:03 PM	121	74.2	4/5/2021	6:40:03 PM
55	74.4	4/5/2021	1:10:03 PM	122	74.2	4/5/2021	6:45:03 PM
56	75.1	4/5/2021	1:15:03 PM	123	74.1	4/5/2021	6:50:03 PM
57	75.1	4/5/2021	1:20:03 PM	124	74.4	4/5/2021	6:55:03 PM
58	76.0	4/5/2021	1:25:03 PM	125	73.4	4/5/2021	7:00:03 PM
59	73.0	4/5/2021	1:30:03 PM	126	74.2	4/5/2021	7:05:03 PM
60	74.2	4/5/2021	1:35:03 PM	127	75.1	4/5/2021	7:10:03 PM
61	74.4	4/5/2021	1:40:03 PM	128	75.6	4/5/2021	7:15:03 PM
62	75.3	4/5/2021	1:45:03 PM	129	75.7	4/5/2021	7:20:03 PM
63	76.3	4/5/2021	1:50:03 PM	130	75.2	4/5/2021	7:25:03 PM
64	74.4	4/5/2021	1:55:03 PM	131	74.1	4/5/2021	7:30:03 PM
65	75.1	4/5/2021	2:00:03 PM	132	74.4	4/5/2021	7:35:03 PM
66	75.3	4/5/2021	2:05:03 PM	133	75.3	4/5/2021	7:40:03 PM
67	75.5	4/5/2021	2:10:03 PM	134	75.5	4/5/2021	7:45:03 PM



PZ20-12000051  
6/23/2021

Samp #	Pressure (PSI)	Date	Time	Samp #	Pressure (PSI)	Date	Time
135	74.8	4/5/2021	7:50:03 PM	202	78.5	4/6/2021	1:25:03 AM
136	75.3	4/5/2021	7:55:03 PM	203	79.2	4/6/2021	1:30:03 AM
137	75.7	4/5/2021	8:00:03 PM	204	78.2	4/6/2021	1:35:03 AM
138	74.5	4/5/2021	8:05:03 PM	205	78.9	4/6/2021	1:40:03 AM
139	74.2	4/5/2021	8:10:03 PM	206	79.6	4/6/2021	1:45:03 AM
140	75.3	4/5/2021	8:15:03 PM	207	79.5	4/6/2021	1:50:03 AM
141	75.3	4/5/2021	8:20:03 PM	208	79.0	4/6/2021	1:55:03 AM
142	75.1	4/5/2021	8:25:03 PM	209	78.8	4/6/2021	2:00:03 AM
143	76.0	4/5/2021	8:30:03 PM	210	77.4	4/6/2021	2:05:03 AM
144	75.7	4/5/2021	8:35:03 PM	211	77.9	4/6/2021	2:10:03 AM
145	77.9	4/5/2021	8:40:03 PM	212	77.8	4/6/2021	2:15:03 AM
146	78.6	4/5/2021	8:45:03 PM	213	78.5	4/6/2021	2:20:03 AM
147	77.1	4/5/2021	8:50:03 PM	214	78.4	4/6/2021	2:25:03 AM
148	76.6	4/5/2021	8:55:03 PM	215	78.2	4/6/2021	2:30:03 AM
149	77.9	4/5/2021	9:00:03 PM	216	77.3	4/6/2021	2:35:03 AM
150	76.8	4/5/2021	9:05:03 PM	217	77.3	4/6/2021	2:40:03 AM
151	76.8	4/5/2021	9:10:03 PM	218	79.0	4/6/2021	2:45:03 AM
152	77.3	4/5/2021	9:15:03 PM	219	78.2	4/6/2021	2:50:03 AM
153	77.7	4/5/2021	9:20:03 PM	220	77.5	4/6/2021	2:55:03 AM
154	78.9	4/5/2021	9:25:03 PM	221	77.4	4/6/2021	3:00:03 AM
155	78.1	4/5/2021	9:30:03 PM	222	75.1	4/6/2021	3:05:03 AM
156	79.0	4/5/2021	9:35:03 PM	223	75.9	4/6/2021	3:10:03 AM
157	79.0	4/5/2021	9:40:03 PM	224	75.9	4/6/2021	3:15:03 AM
158	78.9	4/5/2021	9:45:03 PM	225	74.6	4/6/2021	3:20:03 AM
159	78.4	4/5/2021	9:50:03 PM	226	74.9	4/6/2021	3:25:03 AM
160	78.5	4/5/2021	9:55:03 PM	227	74.6	4/6/2021	3:30:03 AM
161	78.6	4/5/2021	10:00:03 PM	228	75.1	4/6/2021	3:35:03 AM
162	78.5	4/5/2021	10:05:03 PM	229	75.3	4/6/2021	3:40:03 AM
163	78.9	4/5/2021	10:10:03 PM	230	76.7	4/6/2021	3:45:03 AM
164	79.9	4/5/2021	10:15:03 PM	231	75.6	4/6/2021	3:50:03 AM
165	80.1	4/5/2021	10:20:03 PM	232	76.0	4/6/2021	3:55:03 AM
166	80.0	4/5/2021	10:25:03 PM	233	75.2	4/6/2021	4:00:03 AM
167	81.1	4/5/2021	10:30:03 PM	234	72.9	4/6/2021	4:05:03 AM
168	80.4	4/5/2021	10:35:03 PM	235	72.7	4/6/2021	4:10:03 AM
169	81.1	4/5/2021	10:40:03 PM	236	72.9	4/6/2021	4:15:03 AM
170	80.4	4/5/2021	10:45:03 PM	237	72.6	4/6/2021	4:20:03 AM
171	79.9	4/5/2021	10:50:03 PM	238	71.8	4/6/2021	4:25:03 AM
172	81.7	4/5/2021	10:55:03 PM	239	70.8	4/6/2021	4:30:03 AM
173	81.0	4/5/2021	11:00:03 PM	240	71.5	4/6/2021	4:35:03 AM
174	80.1	4/5/2021	11:05:03 PM	241	70.7	4/6/2021	4:40:03 AM
175	80.7	4/5/2021	11:10:03 PM	242	71.2	4/6/2021	4:45:03 AM
176	80.4	4/5/2021	11:15:03 PM	243	71.8	4/6/2021	4:50:03 AM
177	81.8	4/5/2021	11:20:03 PM	244	71.8	4/6/2021	4:55:03 AM
178	81.4	4/5/2021	11:25:03 PM	245	71.3	4/6/2021	5:00:03 AM
179	81.7	4/5/2021	11:30:03 PM	246	70.4	4/6/2021	5:05:03 AM
180	80.4	4/5/2021	11:35:03 PM	247	68.7	4/6/2021	5:10:03 AM
181	82.5	4/5/2021	11:40:03 PM	248	70.1	4/6/2021	5:15:03 AM
182	82.6	4/5/2021	11:45:03 PM	249	69.6	4/6/2021	5:20:03 AM
183	82.1	4/5/2021	11:50:03 PM	250	71.5	4/6/2021	5:25:03 AM
184	81.9	4/5/2021	11:55:03 PM	251	72.6	4/6/2021	5:30:03 AM
185	81.9	4/6/2021	12:00:03 AM	252	73.0	4/6/2021	5:35:03 AM
186	80.0	4/6/2021	12:05:03 AM	253	72.0	4/6/2021	5:40:03 AM
187	80.6	4/6/2021	12:10:03 AM	254	73.0	4/6/2021	5:45:03 AM
188	80.3	4/6/2021	12:15:03 AM	255	73.0	4/6/2021	5:50:03 AM
189	80.1	4/6/2021	12:20:03 AM	256	73.4	4/6/2021	5:55:03 AM
190	80.7	4/6/2021	12:25:03 AM	257	73.3	4/6/2021	6:00:03 AM
191	80.8	4/6/2021	12:30:03 AM	258	73.1	4/6/2021	6:05:03 AM
192	80.4	4/6/2021	12:35:03 AM	259	72.6	4/6/2021	6:10:03 AM
193	80.6	4/6/2021	12:40:03 AM	260	72.6	4/6/2021	6:15:03 AM
194	79.2	4/6/2021	12:45:03 AM	261	73.3	4/6/2021	6:20:03 AM
195	79.6	4/6/2021	12:50:03 AM	262	74.2	4/6/2021	6:25:03 AM
196	79.6	4/6/2021	12:55:03 AM	263	73.7	4/6/2021	6:30:03 AM
197	80.6	4/6/2021	1:00:03 AM	264	73.5	4/6/2021	6:35:03 AM
198	78.8	4/6/2021	1:05:03 AM	265	74.6	4/6/2021	6:40:03 AM
199	78.9	4/6/2021	1:10:03 AM	266	75.9	4/6/2021	6:45:03 AM
200	79.2	4/6/2021	1:15:03 AM	267	74.8	4/6/2021	6:50:03 AM
201	79.3	4/6/2021	1:20:03 AM	268	74.9	4/6/2021	6:55:03 AM



PZ20-12000051  
6/23/2021

---

Samp #	Pressure (PSI)	Date	Time
269	75.6	4/6/2021	7:00:03 AM
270	75.3	4/6/2021	7:05:03 AM
271	75.3	4/6/2021	7:10:03 AM
272	74.9	4/6/2021	7:15:03 AM
273	75.5	4/6/2021	7:20:03 AM
274	75.7	4/6/2021	7:25:03 AM
275	77.9	4/6/2021	7:30:03 AM
276	75.9	4/6/2021	7:35:03 AM
277	77.7	4/6/2021	7:40:03 AM
278	77.5	4/6/2021	7:45:03 AM
279	77.8	4/6/2021	7:50:03 AM
280	77.8	4/6/2021	7:55:03 AM
281	78.8	4/6/2021	8:00:03 AM
282	76.4	4/6/2021	8:05:03 AM
283	77.4	4/6/2021	8:10:03 AM
284	77.7	4/6/2021	8:15:03 AM
285	77.3	4/6/2021	8:20:03 AM
286	77.7	4/6/2021	8:25:03 AM
287	77.9	4/6/2021	8:30:03 AM
288	-0.0	4/6/2021	8:35:03 AM

**P&Z**

PZ20-12000051

6/23/2021