



6 PM

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CHART NO. MC MP-3000-150F 75DIV  
METER 202E-44934S  
8/11/19  
TAKEN OFF 1:20  
CHART PUT ON 12:10 PM  
LOCATION CGF  
REMARKS 8 hr flexsteel test 8"  
Domex Justin  
my  
Lampolis

Graphic Controls LLC

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INTERCHANGE TO CGF FLEXSTEEL 8" 7/31/2019 P.1

Pressure Test Log, Page 2

Deadweight Serial Number \_\_\_\_\_  
 Pressure Gauge Serial Number 814712  
 Pressure Recorder Serial Number 202E 449345  
 Ambient Temp. Recorder Serial Number \_\_\_\_\_  
 Pipe Temp. Recorder Serial Number \_\_\_\_\_

Calibration Date \_\_\_\_\_  
 Calibration Date 2/22/2019  
 Calibration Date 6/4/2019  
 Calibration Date \_\_\_\_\_  
 Calibration Date \_\_\_\_\_

Time	Deadweight Pressure (psig)	Gauge Pressure (psig)	Ambient Temp. (°F)	Pipe/Medium Temp. (°F)	Remarks
1:58		340	89	84	
2:13		334	89	85	STAGE 1
2:23		487	91	87	HOLD 15 MIN.
2:38		483	91	89	STAGE 2
2:49		631	89	89	HOLD 15 MIN
3:04		626	91	91	STAGE 3
3:17		783	92	92	HOLD 15 MIN
3:32		778	90	94	STAGE 4
3:47		774	90	94	HOLD 15 MIN. CLOUD COVER
4:02		771	89	94	HOLD 15 MIN
4:05		787	89	95	BUMP UP PRESSURE
4:20		783	90	95	HOLD 15 MIN
4:35		783	89	95	HOLD 15 MIN.
4:50		781	91	95	START TEST
5:05		779	91	95	
5:20		778	90	95	
5:35		777	89	96	
5:50		776	87	93	
6:05		775	87	95	
6:20		774	88	95	
6:35		773	88	95	
6:50		772	85	94	
7:05		771	85	93	6:48 SUNNY
7:20		770	84	92	CLOUD COVER
7:35		769	81	92	
7:50		769	80	90	
8:05		768	79	89	
8:20		767	79	88	
8:35		766	76	87	
8:50		765	76	86	
9:05		763	65	81	HIGH WIND / RAIN 8:55
9:20		762	65	72	SEVER WEATHER
9:35		761	64	71	
9:50		760	63	71	
10:05		759	64	69	
10:20		758	70	68	
10:35		758	66	68	
10:50		757	66	66	
11:05		757	66	69	
11:20		756	66	69	
11:35		755	66	68	





# Calibration Certificate

7200 E. Dry Creek Rd, STE C-102, Centennial, CO 80112  
Ph. 303-804-0667 Cal.Lab@Apex-Instruments.com

**Certificate Number: 190976**

**Customer:**

JoMax Construction  
Erie, CO

**Manufacturer:** Crystal Engineering  
**Model Number:** nVision 10,000 psi  
**Serial Number:** 814712  
**Description:** Pressure Module  
**Procedure:** CI-001  
**Calibrated To:** Manufacturer's Specifications  
**Technician:** Austin Molyneux

**Calibration Date:** 2/22/2019  
**Due Date:** 8/22/2019  
**As Found:** In Tolerance  
**As Left:** As Found  
**Temperature:** 70.7 F  
**Humidity:** 21.8 %

**Tolerance Specs:**

0 to 30% of FS: +/- 0.015% of FS  
30% to 110% of FS: +/- 0.05% of Rdg

**Technician Notes:**

As Left Userspan: 1.00000

Approved Signatory:

Apex Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques.

Methods used are in accordance with the procedure listed above. This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances would be made by the customer as needed.

Unless otherwise contractually specified, a binary decision rule, utilizing simple acceptance, and simple rejection criteria will be used for the determination of compliance. When compliance statements are present, they are reported without factoring in the effects of uncertainty and the limits are defined by the manufacturer's stated accuracy.

This certificate does not guarantee the continued performance of the instrument listed above. Any modifications or services performed hereafter may void this certificate.

This certificate is not to be reproduced other than in full, except with prior written approval from Apex Instruments Inc.



**Standards Used**

Description	Model Number	Serial Number	Calibration Date	Due Date	ID
Electronic Deadweight Tester	RPM4-E-DWT A100M/A10M	1709	11/19/2018	11/19/2019	APX00024
Temp / RH Datalogger	UX100-011	20369499	8/28/2018	8/28/2019	APX04795

**Compass Import**

Gauge Pressure Test Description	Nominal	As Found - As Left		UUT Error	Status	Pass
		Test Results	Tolerance (+/-)			
0	-0.01 psi	0.0 psi	1.5 psi	0.0 psi	Pass	
2000	2000.09 psi	2000.9 psi	1.5 psi	0.8 psi	Pass	
4000	4001.31 psi	4002.0 psi	2.0 psi	0.7 psi	Pass	
6000	5999.88 psi	6001.0 psi	3.0 psi	1.1 psi	Pass	
8000	8000.17 psi	8001.0 psi	4.0 psi	0.8 psi	Pass	
10000	9999.86 psi	10001.5 psi	5.0 psi	1.6 psi	Pass	
8000	8000.45 psi	8001.7 psi	4.0 psi	1.3 psi	Pass	
6000	5998.70 psi	6000.0 psi	3.0 psi	1.3 psi	Pass	
4000	3997.78 psi	3999.0 psi	2.0 psi	1.2 psi	Pass	
2000	2000.33 psi	2001.0 psi	1.5 psi	0.7 psi	Pass	
0	-0.10 psi	0.0 psi	1.5 psi	0.1 psi	Pass	

-- End of measurement results--



# HYDRO-CHART

Calibration → Certification → Repair → Rental → Sales

www.hydro-chart.com

7709 E. 42<sup>nd</sup> Place, Suite 104 Tulsa, OK 74145

918-834-3210

## CERTIFICATE OF CALIBRATION

Customer Name:	JOMAX CONSTRUCTION
Model:	Barton Pressure / Temperature Recorder
Serial Number:	202E-449345
Range:	0 - 3,000 psi / 0 - 150 Deg. F.
Accuracy +/- :	1%
Condition as Left:	Within Tolerance
Date Calibrated:	June 04, 2019
Action Performed:	Calibrated/Certified

Tech: Otto V. Harrison

Authorized Signature: \_\_\_\_\_



This certificate applies solely for the equipment listed above.

The primary test and measuring equipment used is calibrated and traceable to the National Institute of Standards and Technology (NIST) United States.

Additel SN: 211H13610038 Asset # 1123679 Due Date: 09/12/2019

Fluke SN: 20000053 Asset # 1141854 Due Date: 10/09/2019

Crystal SN: 359513 Asset # 1135247 Due Date: 08/28/2019

Chandler SN: 10161 Asset # 1132202 Due Date: 02/13/2020

Based on Standard Gravity @72 Deg. F. and 39% Relative Humidity.