

# **Bridgeton Landfill, LLC**

## **Weekly Data Submittals**

**Required by Section 52.F of Agreed Order, Case No. 13SL-CC01088  
Effective May 13, 2013**

### **Contents:**

**Attachment A – Leachate Levels in Leachate Collection Sumps**

**Attachment B – Temperature Monitoring Probe Analytical Charts**

**Attachment C – Gas Interceptor Wellhead Temperature Graphs**

### **Provided Separately:**

- Leachate Level in Leachate Collection Sump Raw Data Excel Spreadsheet**
- Temperature Monitoring Probe Raw Data Excel Spreadsheet**
- Gas Interceptor Well Reading Raw Data Excel Spreadsheet**

**June10, 2014**

## **Commentary on Data**

### **Attachment A – Leachate Levels in Leachate Collection Sumps**

LCS-1D,-2D,-3D -5A, and -6B were operational during the weekly reporting period.

LCS-4B still exhibits excess pressure and liquid ejection, so it has not been fitted with a pump; however, the conditions are resulting in leachate removal from that location. Options for pumping from this location are currently under review.

A measurement device is currently being evaluated for use in LCS-3D. A new transducer was recently installed in LCS-1D; there appears to be an obstruction or a pinch/collapse at about 180' below the top of the well casing that prevents the pump from being lowered past that point.

### **Temperature Monitoring Probe Analytical Charts**

The following TMPs indicated consistent temperature profiles to previous week(s): TMP-1,-2, -3, -4, -5, -6, -8, -9, -10, -11, -12, and -14.

TMP-7 and -13 have been removed from the presentation based on unreliable thermocouple measurements.

### **Gas Interceptor Wellhead Temperature Graphs**

The fluctuation in wellhead gas temperatures can be attributed to variation in available vacuum, gas flow and ambient temperatures at the respective well.

All gas interceptor wells remained relatively consistent or lower with regards to gas wellhead temperature measured at each location excluding GIW-8 which measured a slightly higher wellhead temperature compared to previous measurements.

The water circulation cooling loop is currently installed in GIW-4. The cooling loop was operational during the reporting period. Repairs were recently made to allow resumption of temperature monitoring at the GIW-4 wellhead.

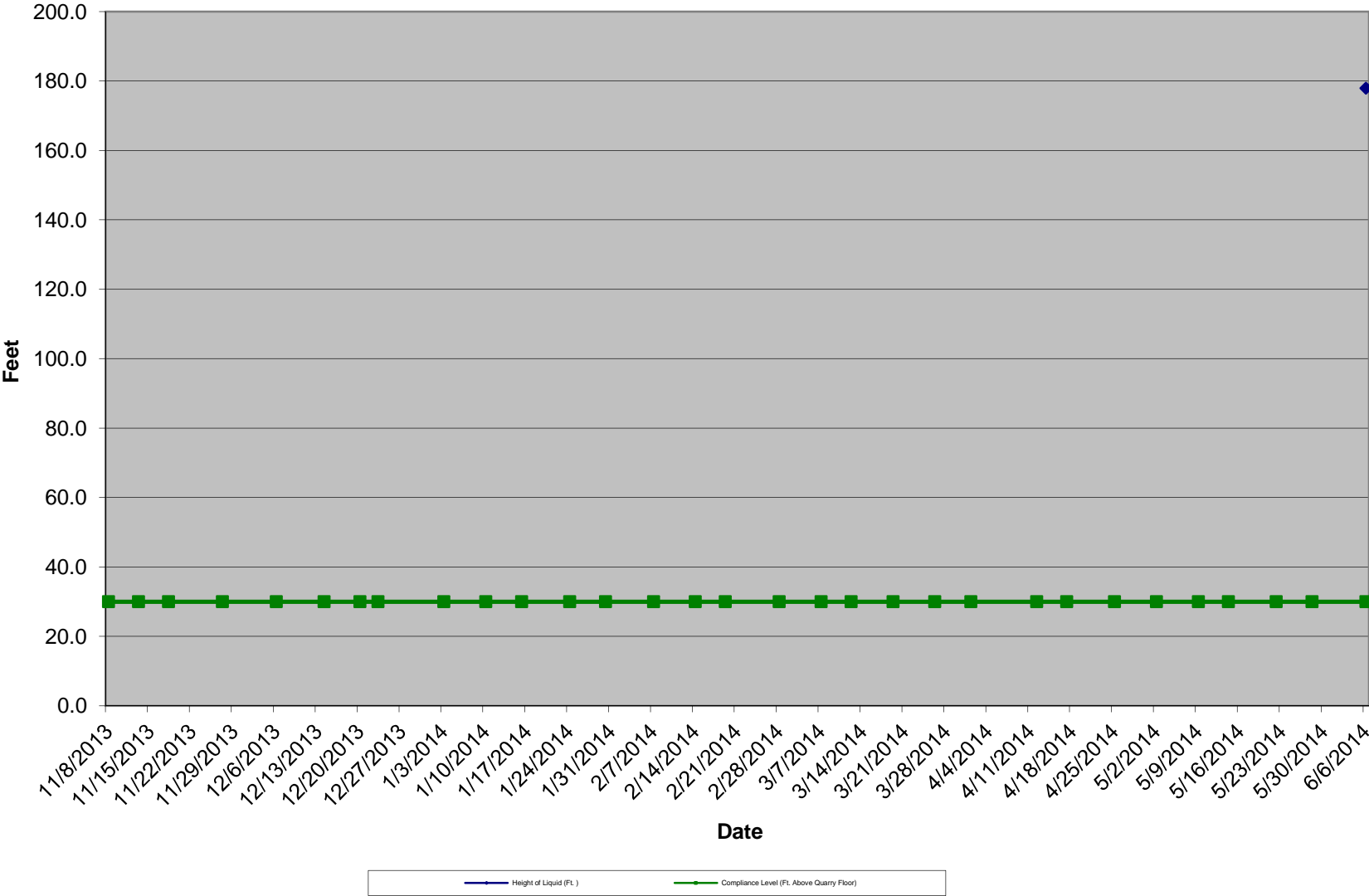
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## **ATTACHMENT A**

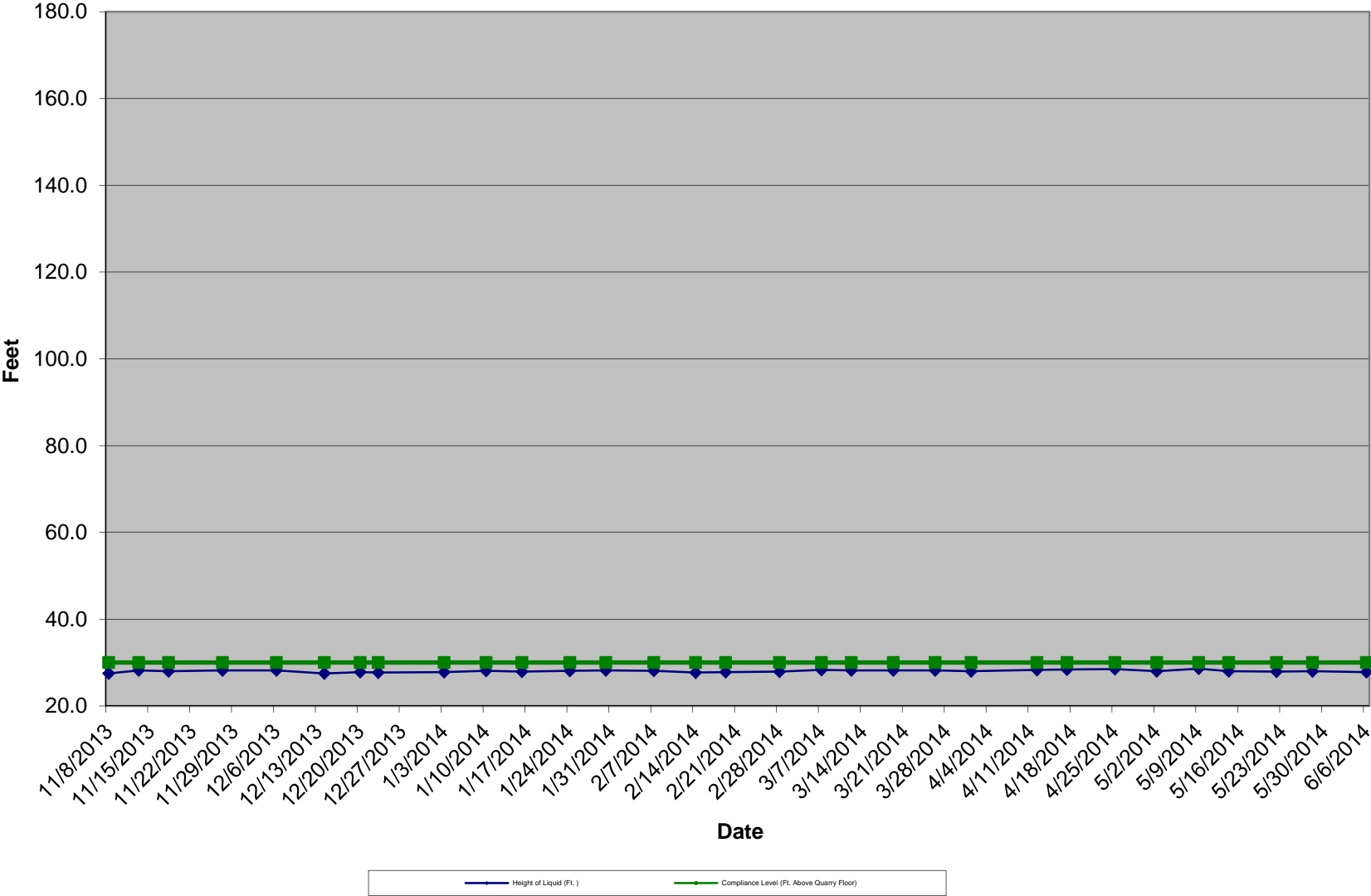
### **LEACHATE LEVELS IN LEACHATE COLLECTION SUMPS**

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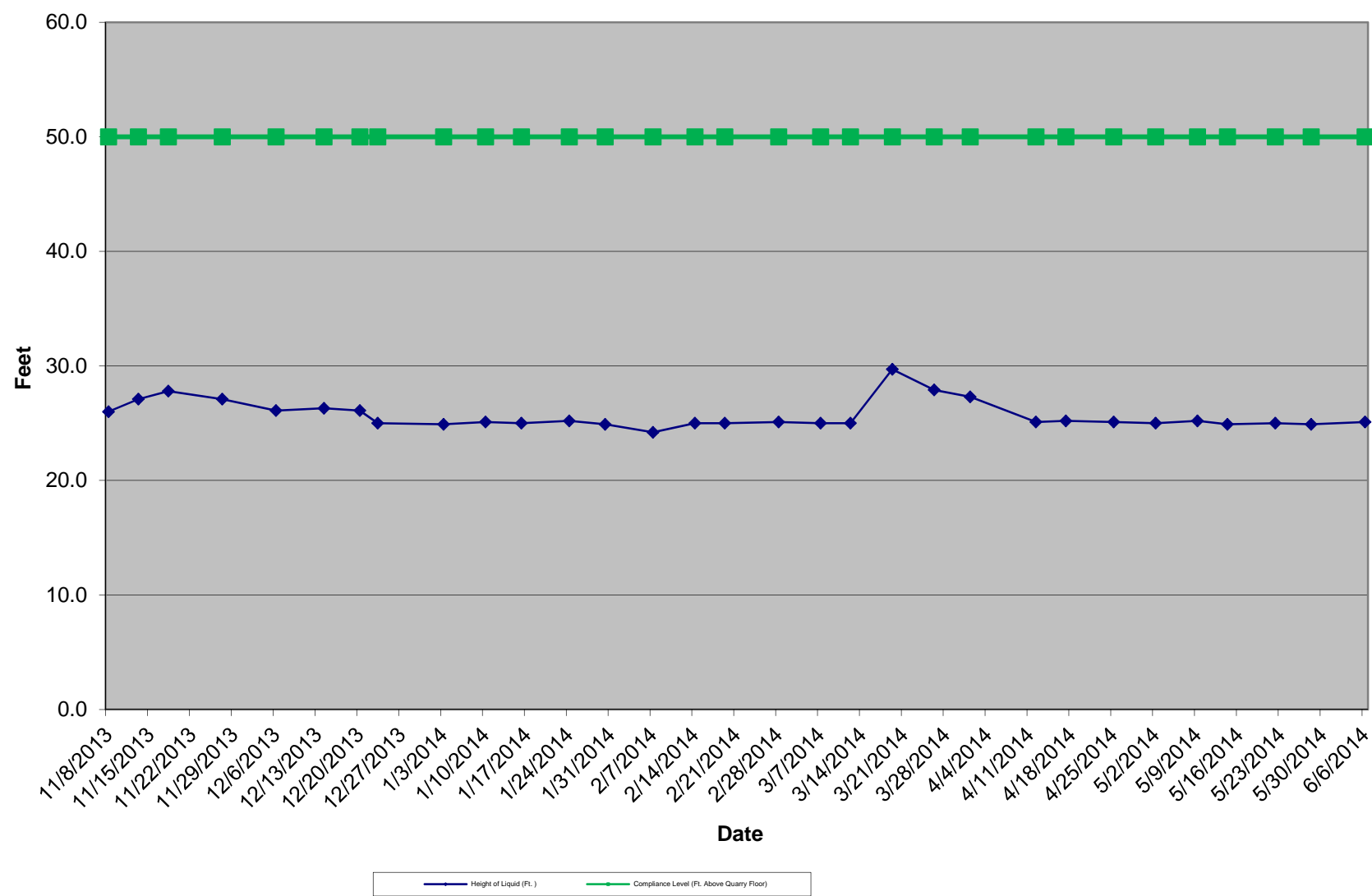
LCS-1D Liquid Level Above Quarry Floor



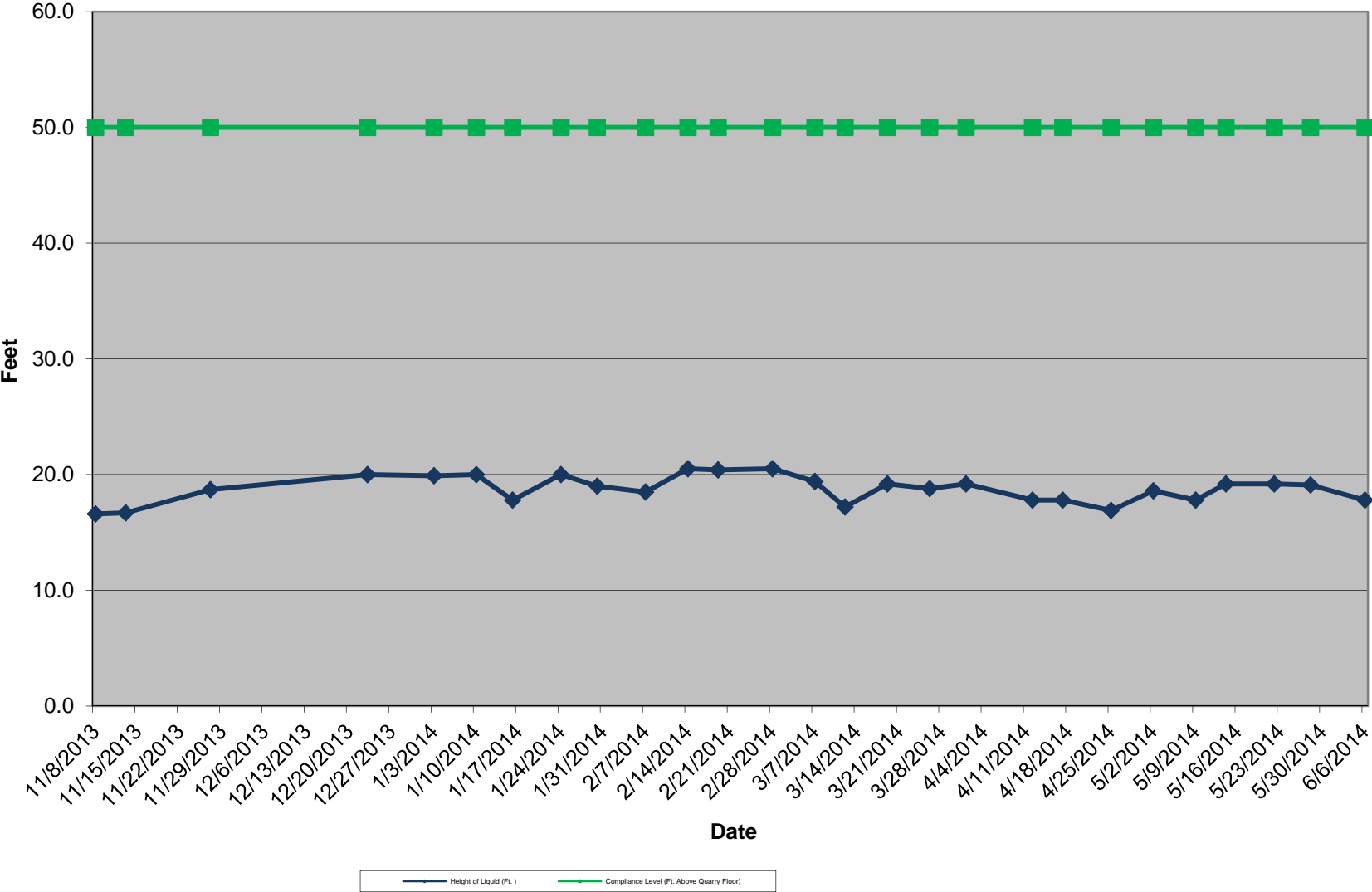
LCS-2D Liquid Level Above Quarry Floor



LCS-5A Liquid Level Above Quarry Floor



LCS-6B Liquid Level Above Quarry Floor



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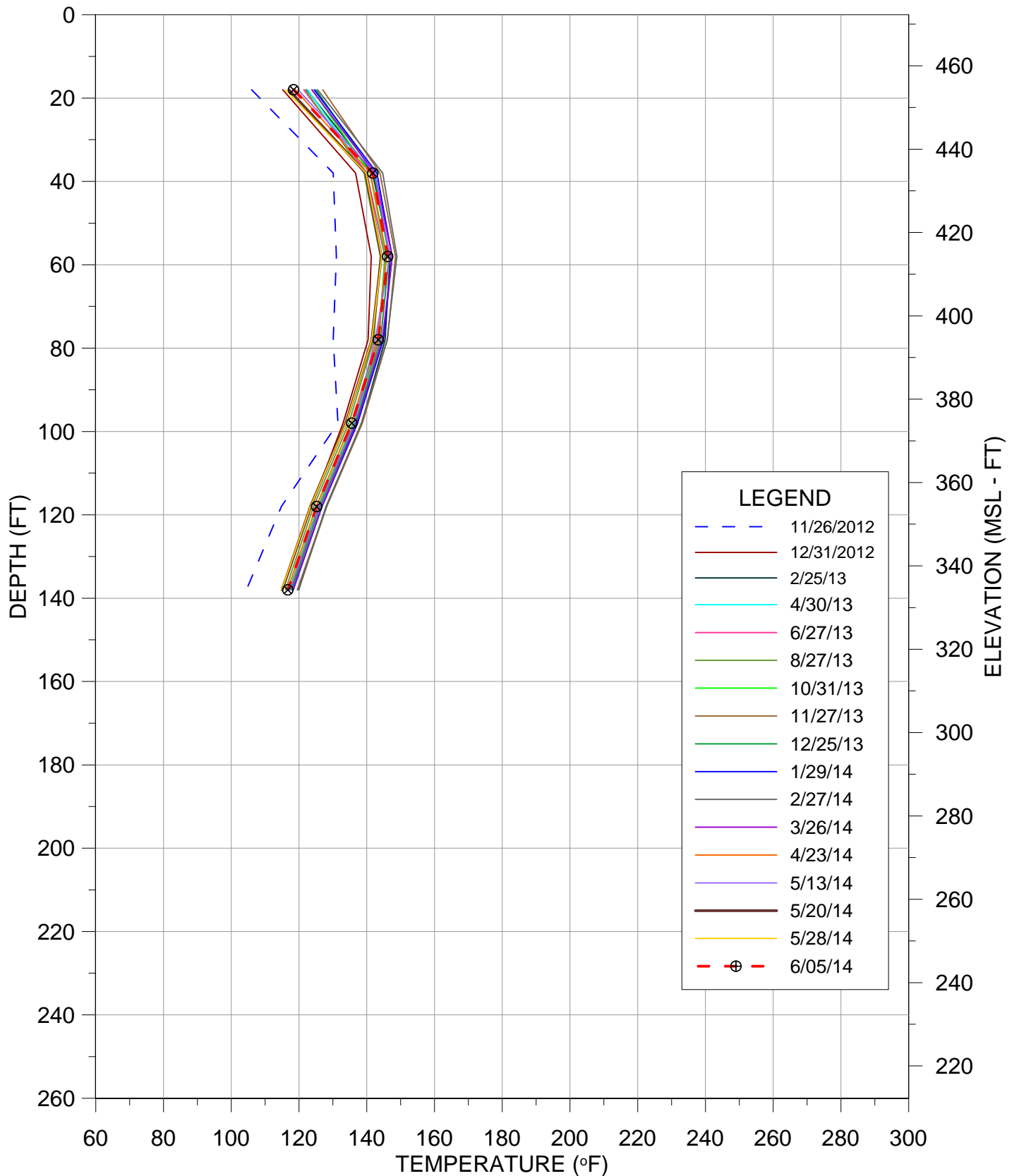
**ATTACHMENT B**

**TEMPERATURE MONITORING PROBE ANALYTICAL CHARTS**

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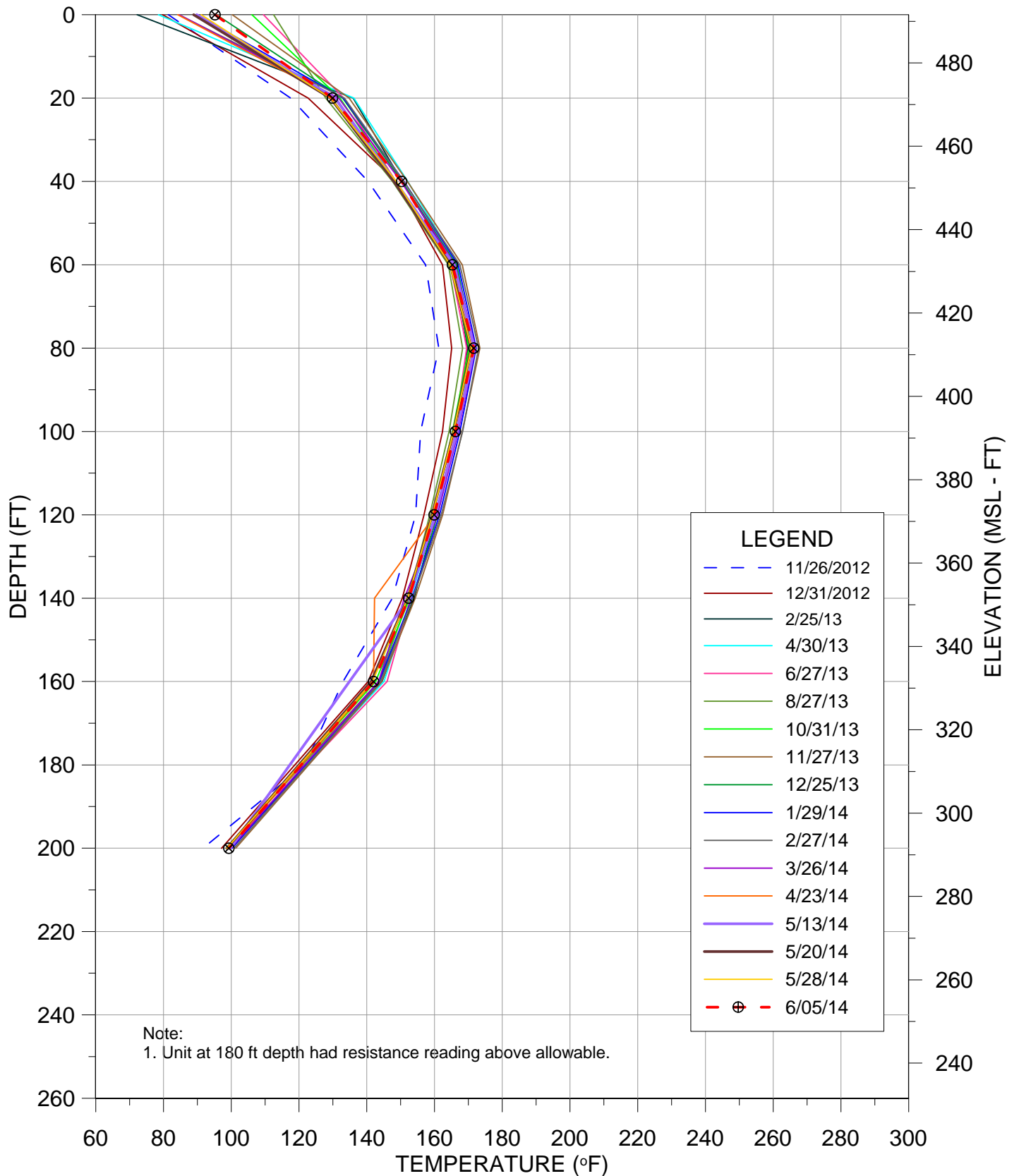


# TMP-1



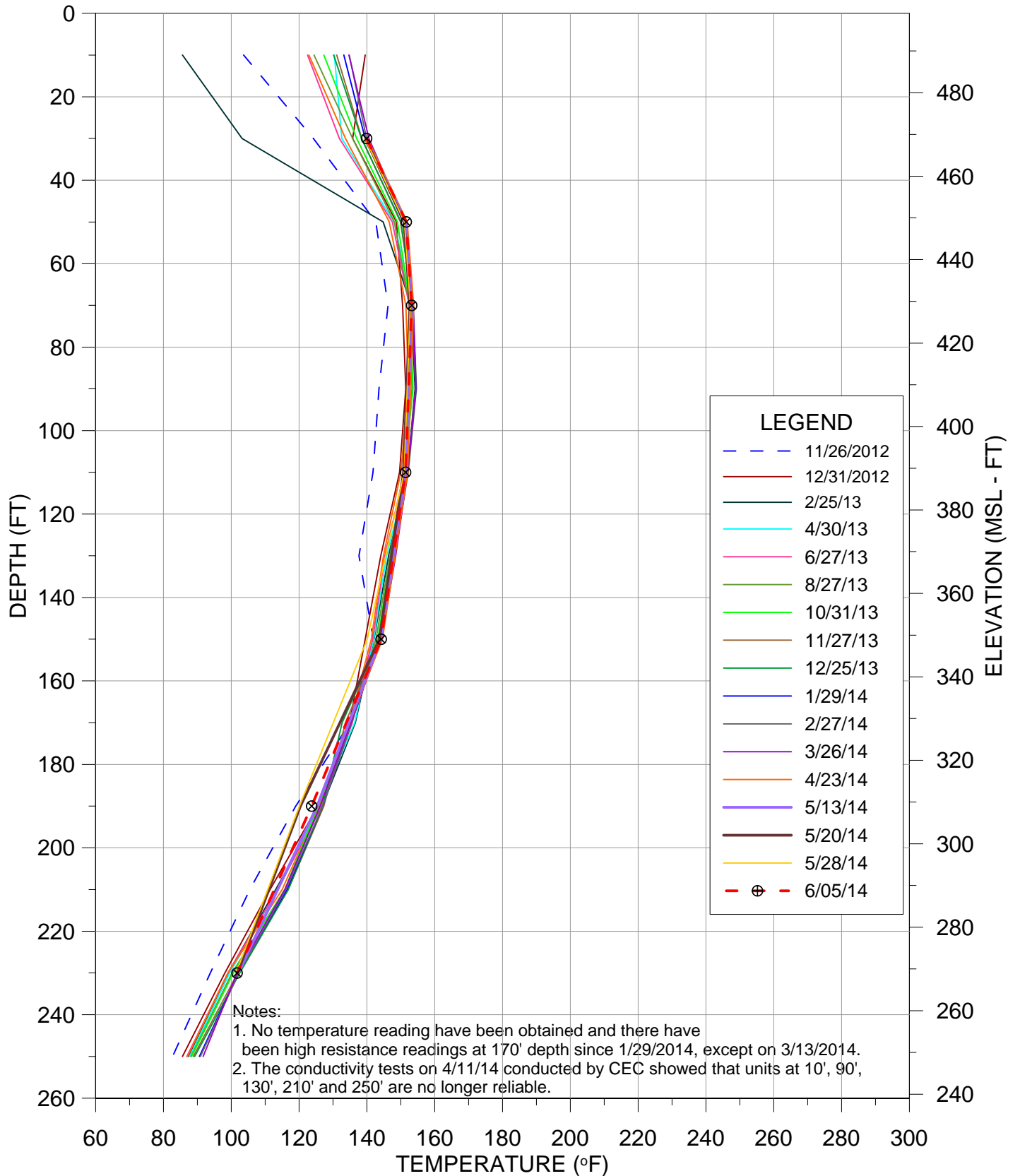
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-2



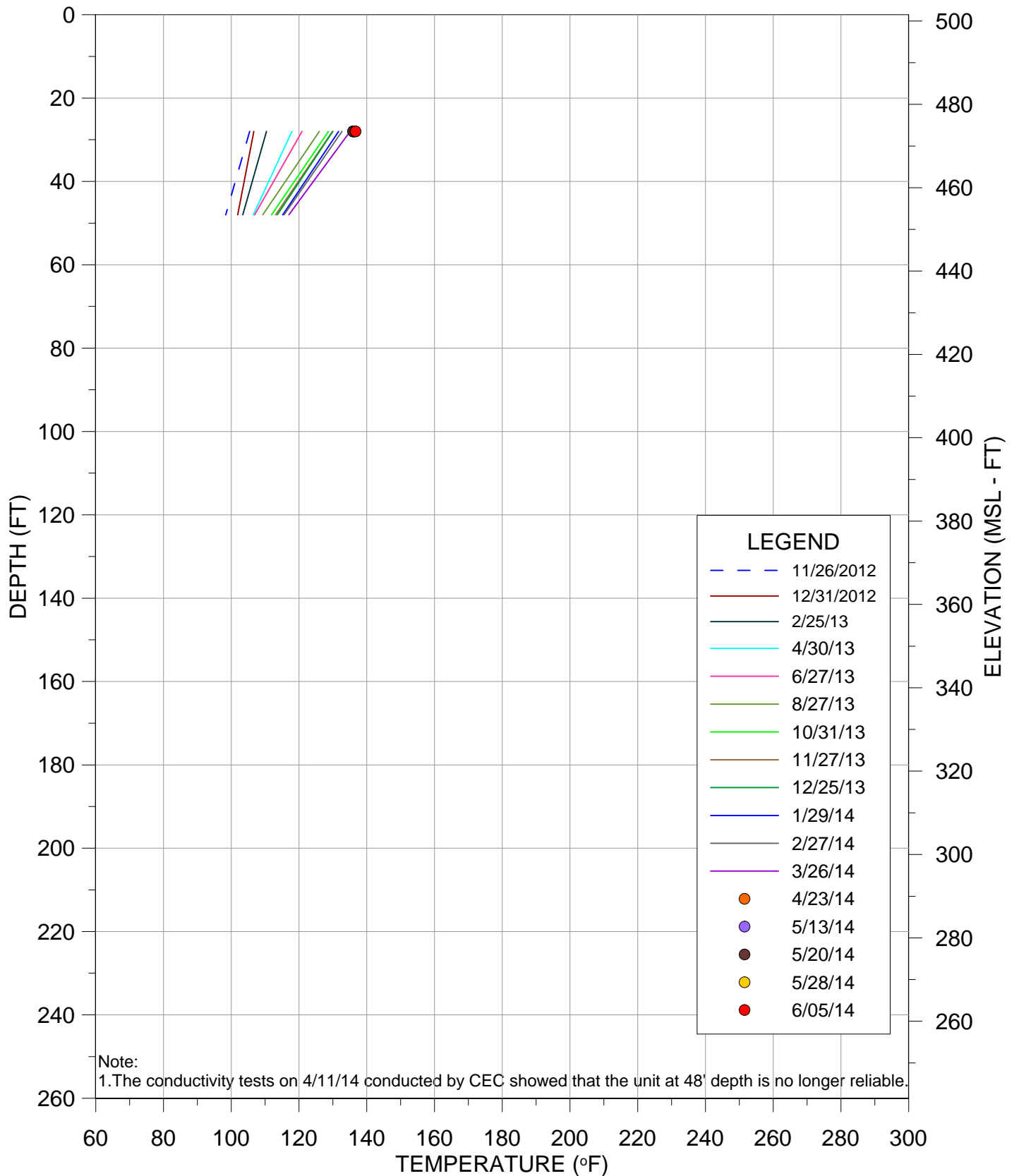
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-3

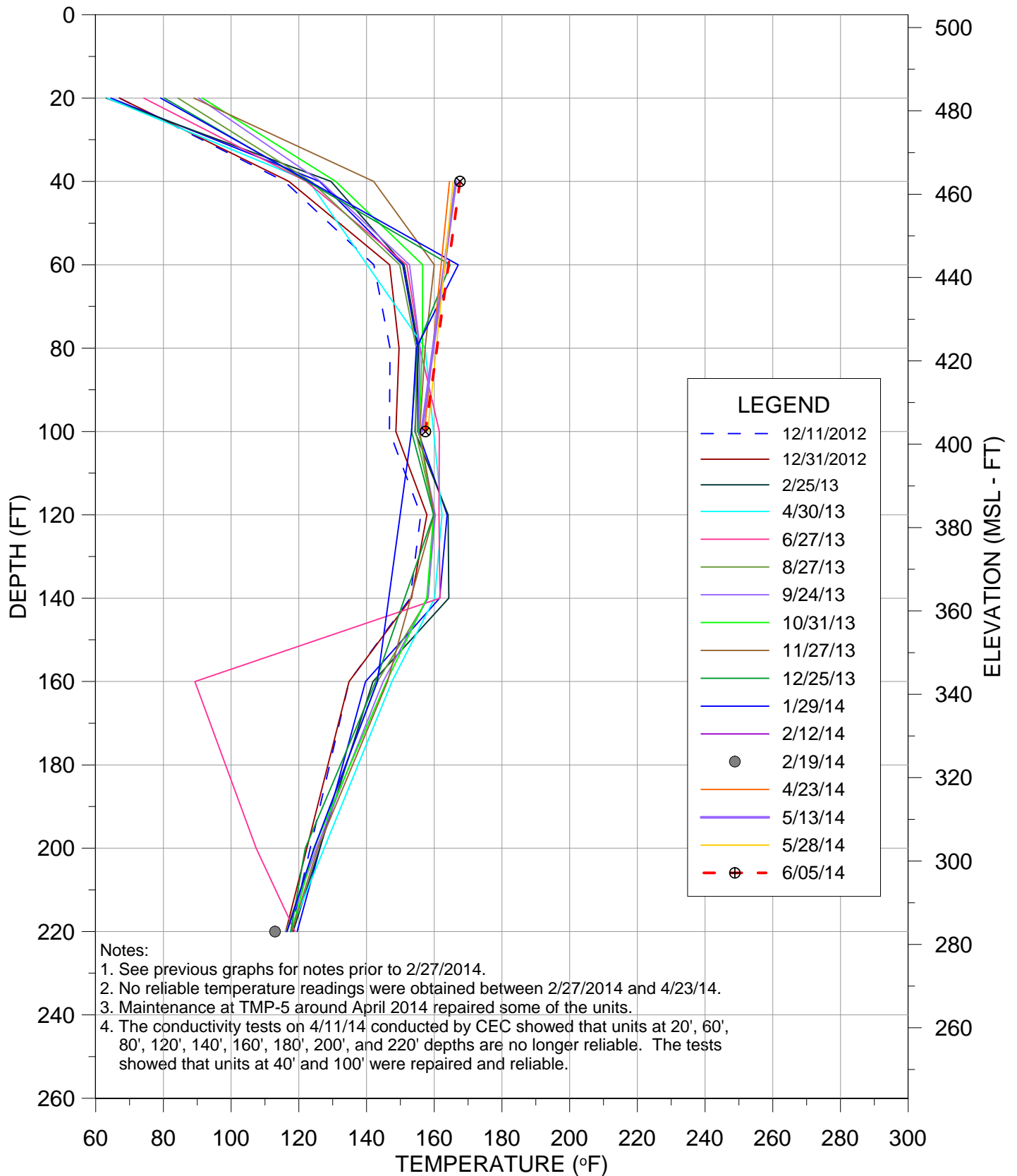


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

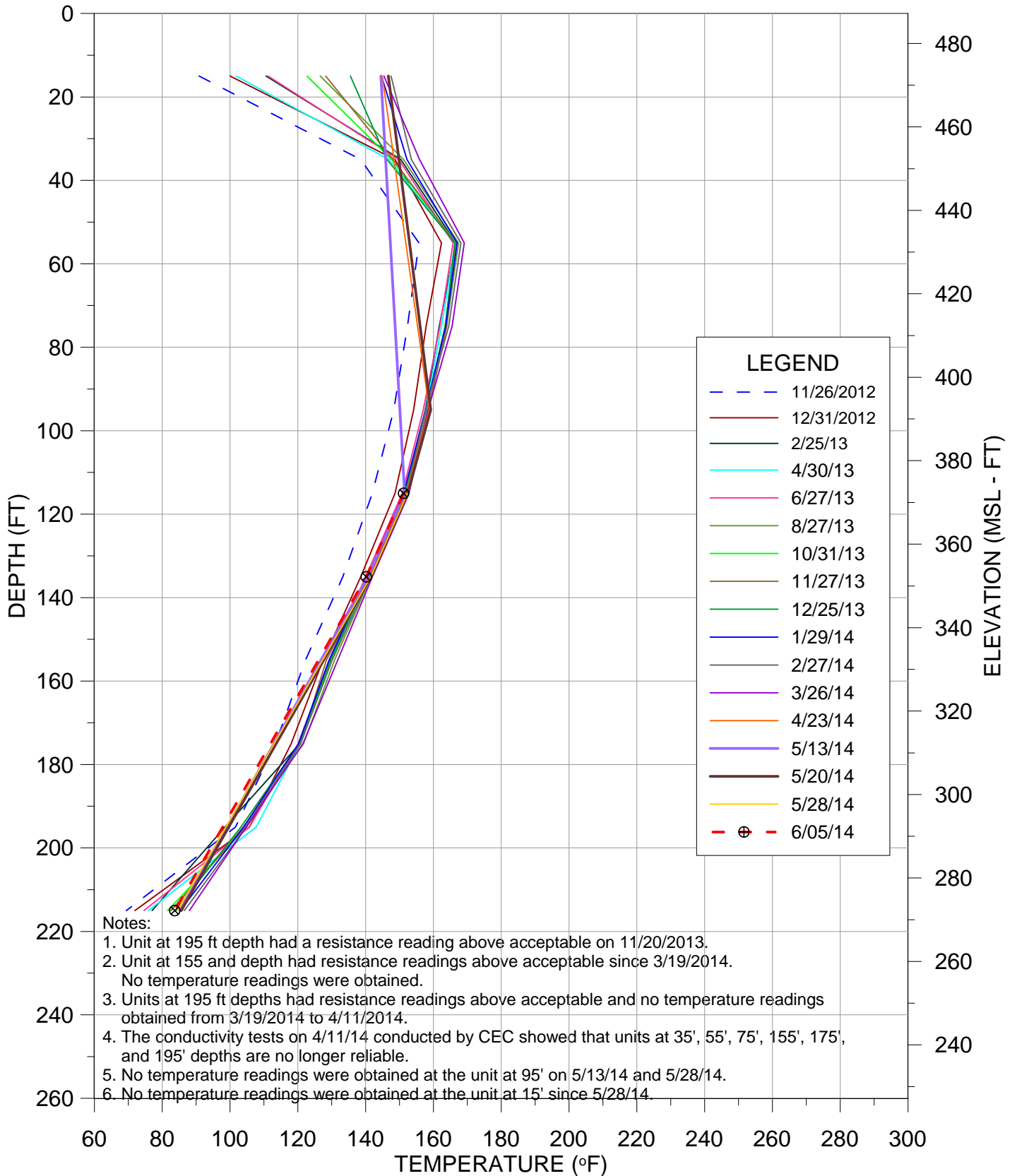
# TMP-4



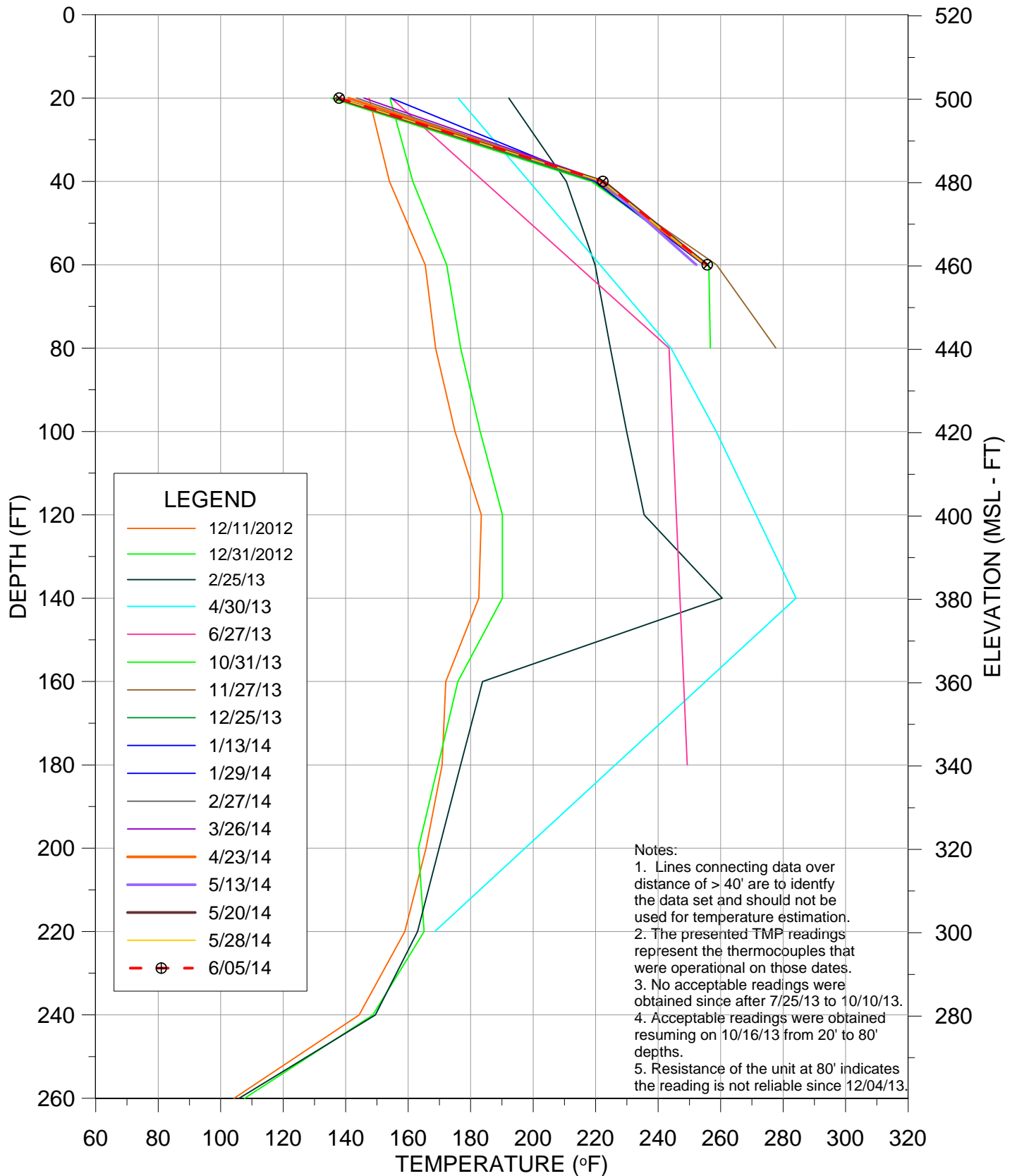
# TMP-5



# TMP-6

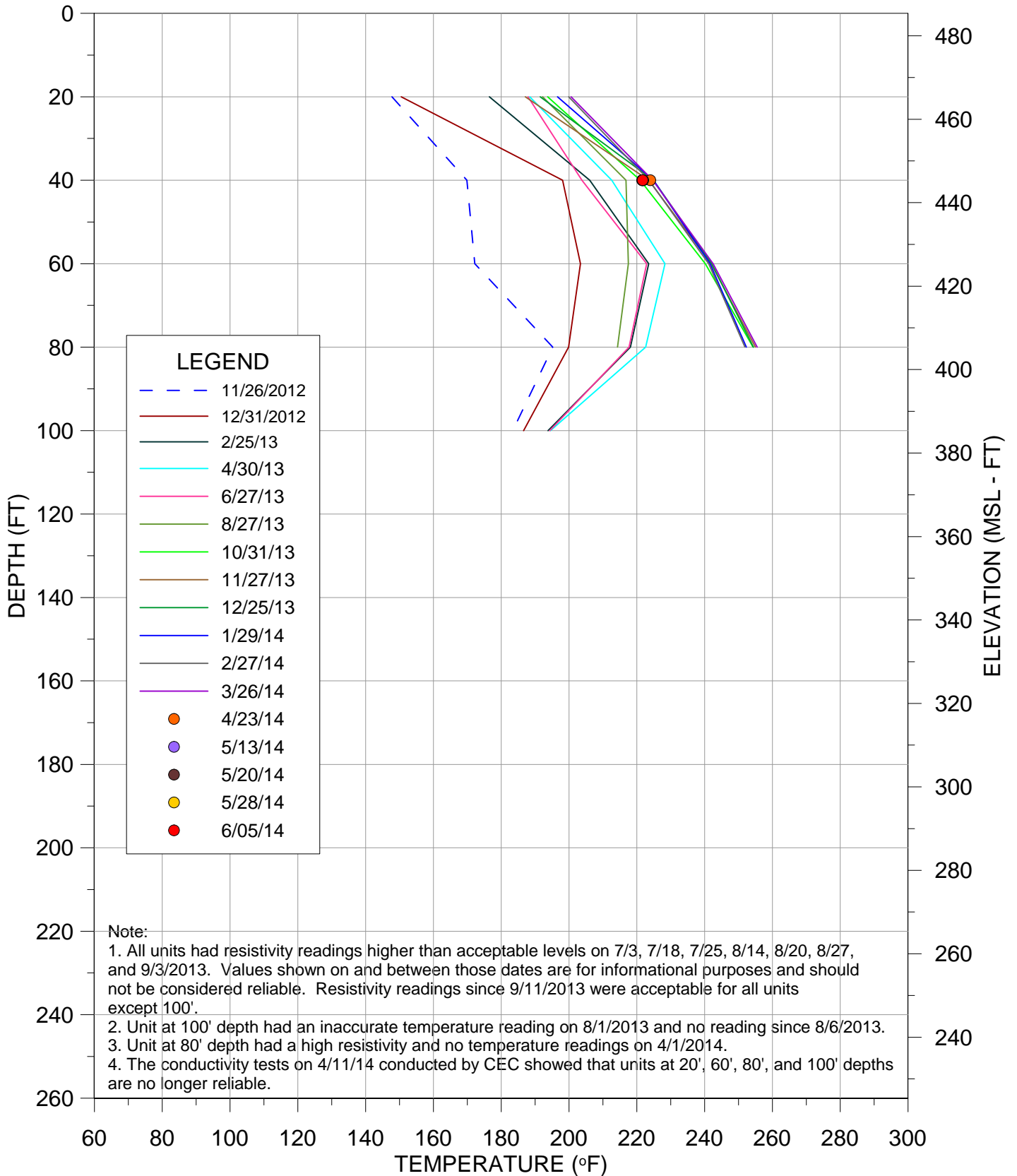


# TMP-8



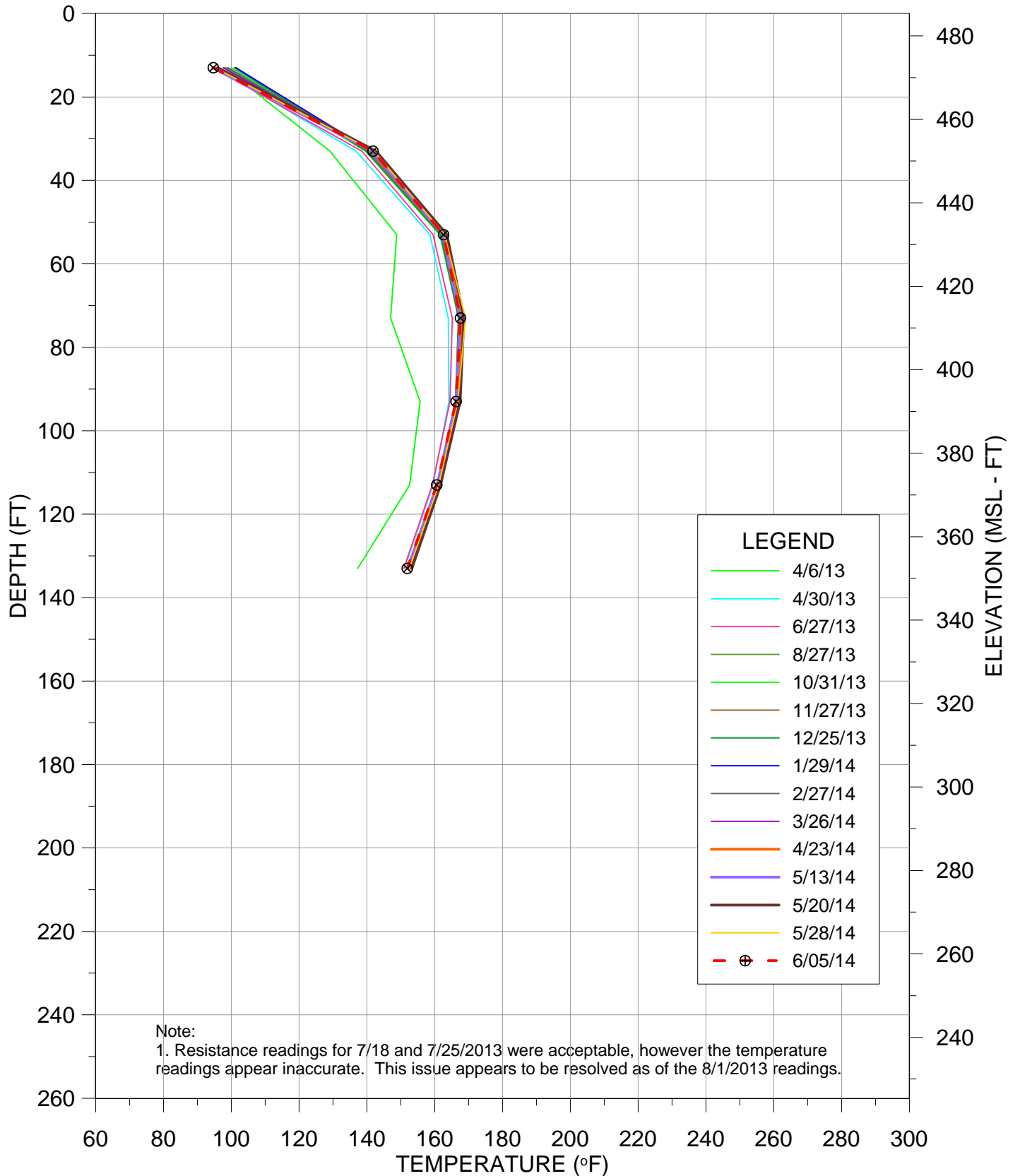
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-9



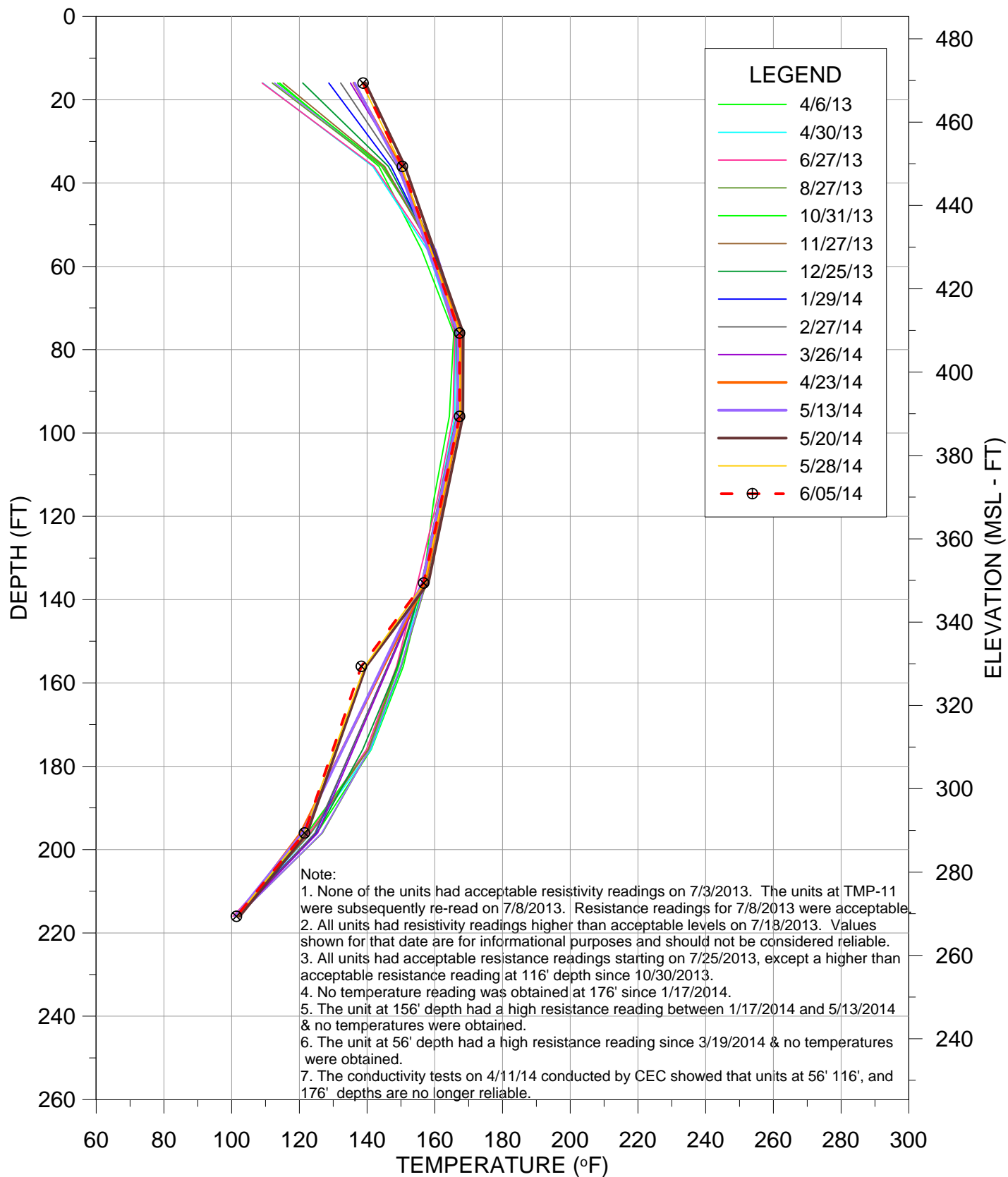


# TMP-10



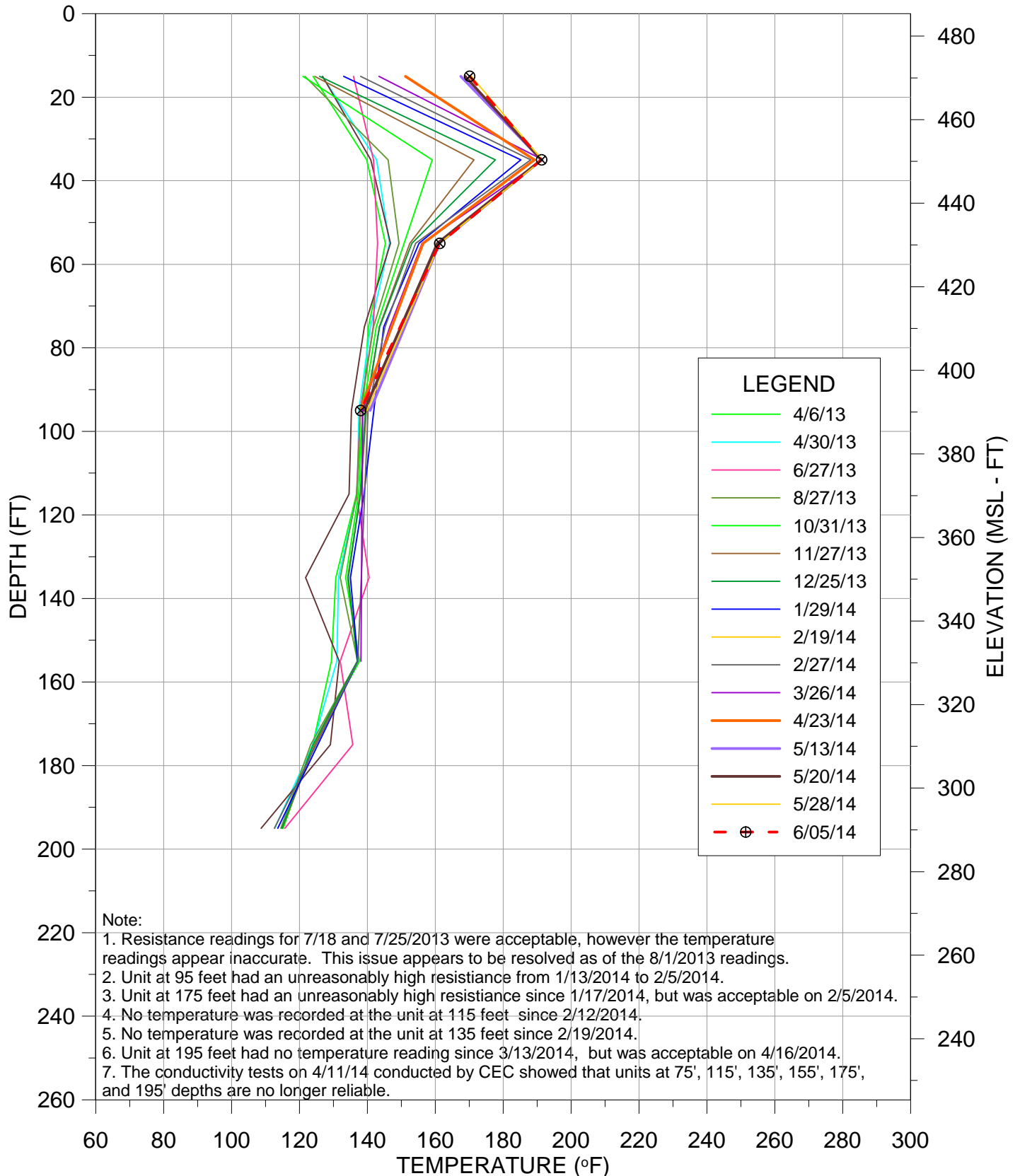
TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-11

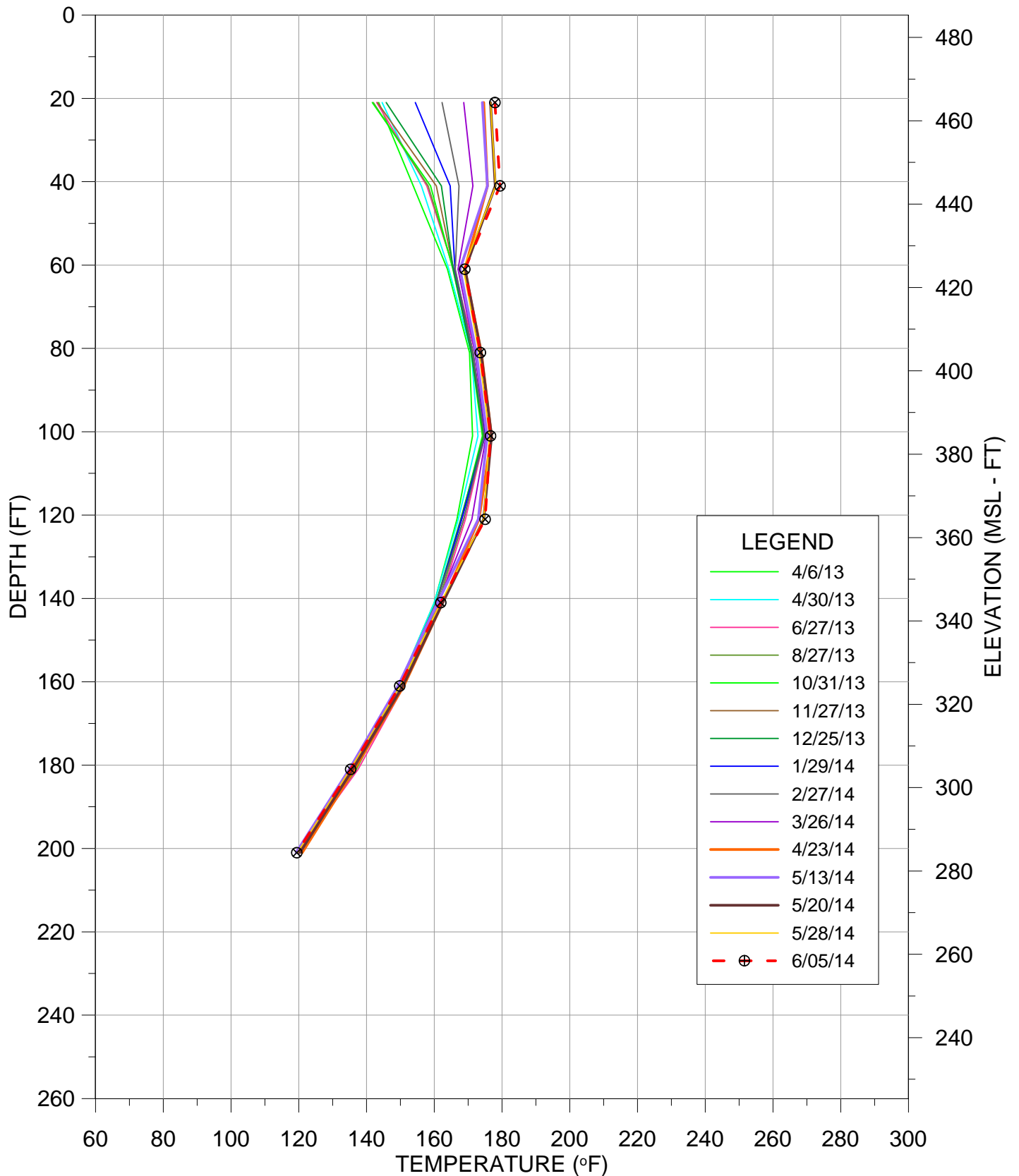


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

# TMP-12

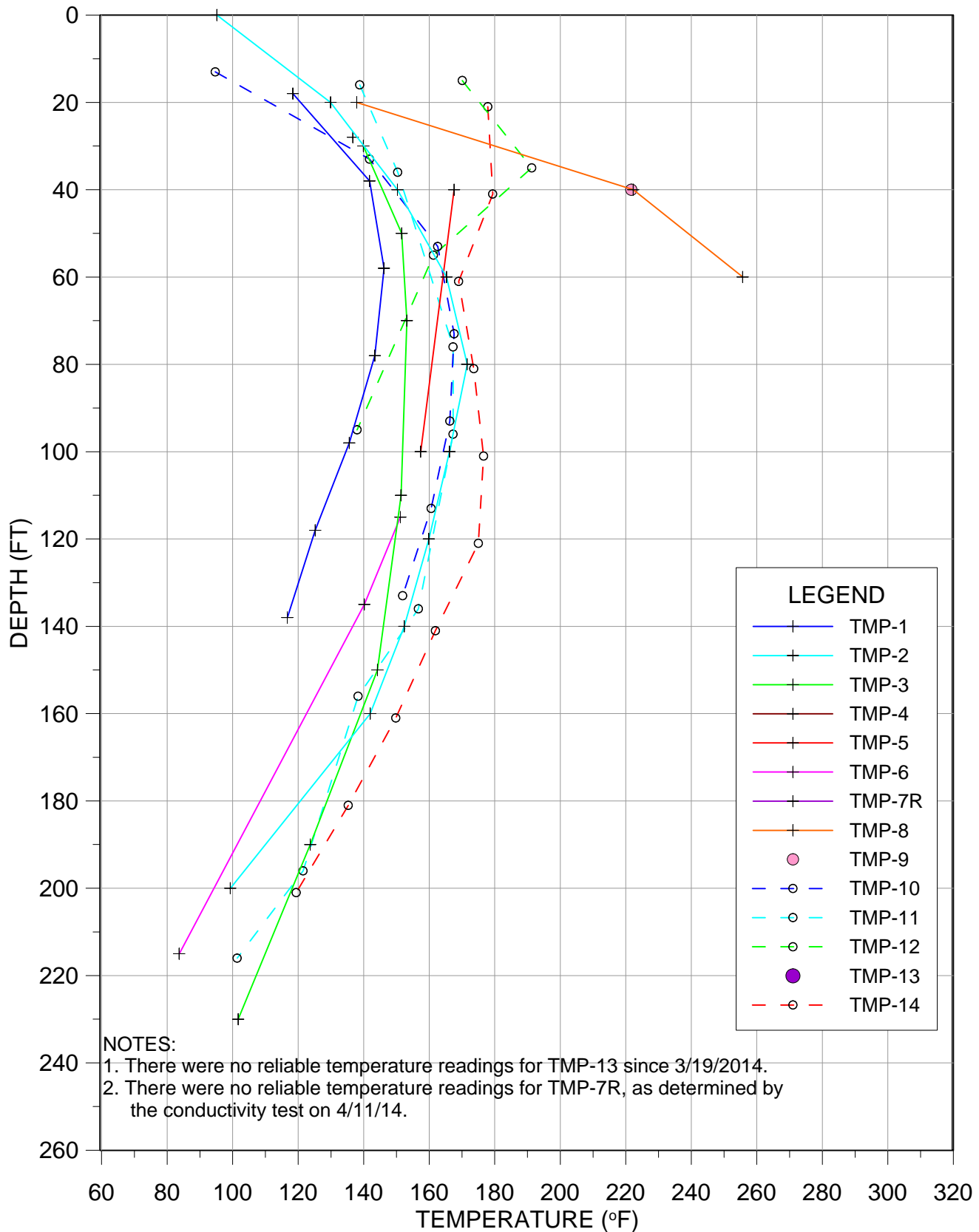


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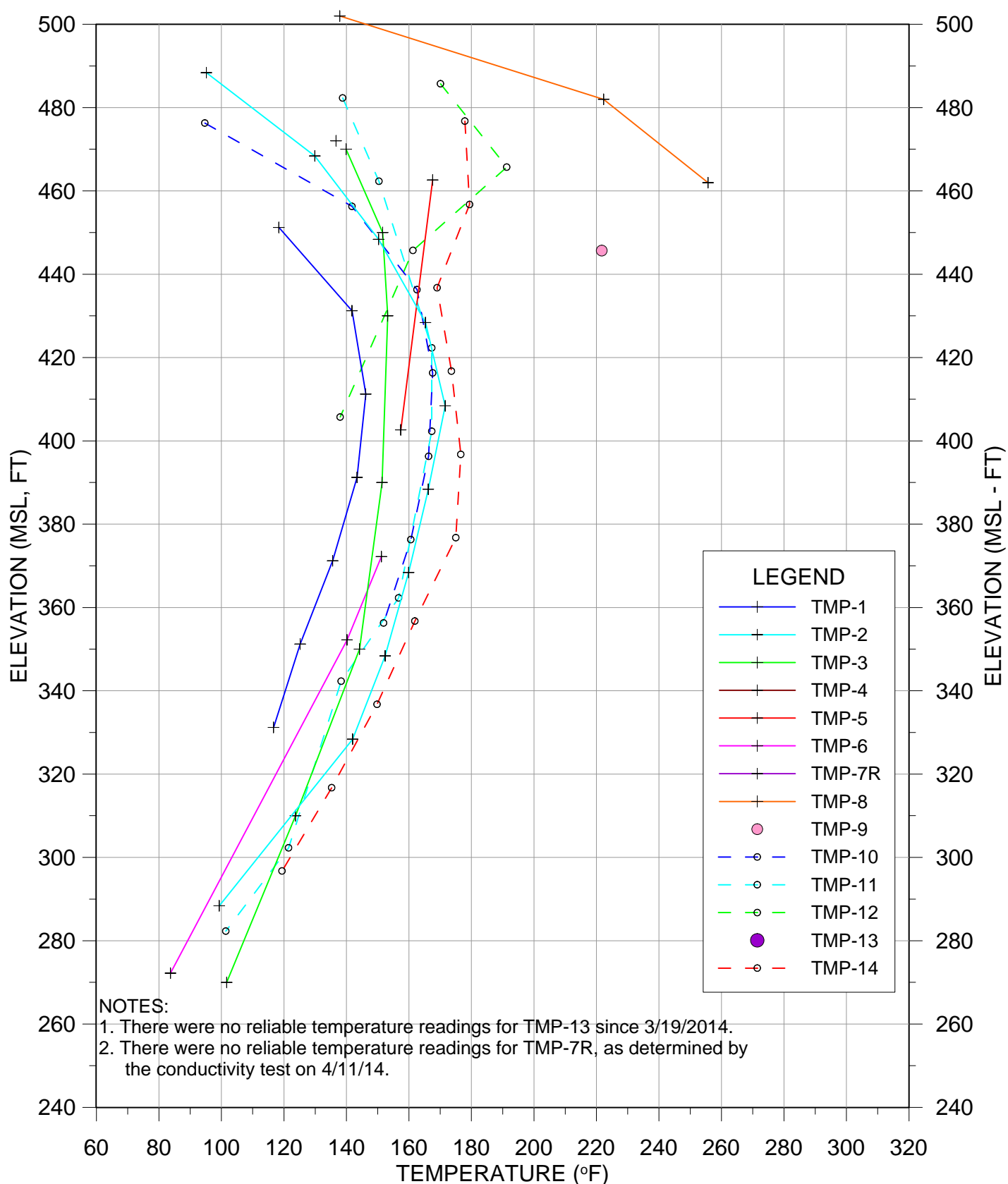


TEMPERATURE VS DEPTH  
BRIDGETON LANDFILL

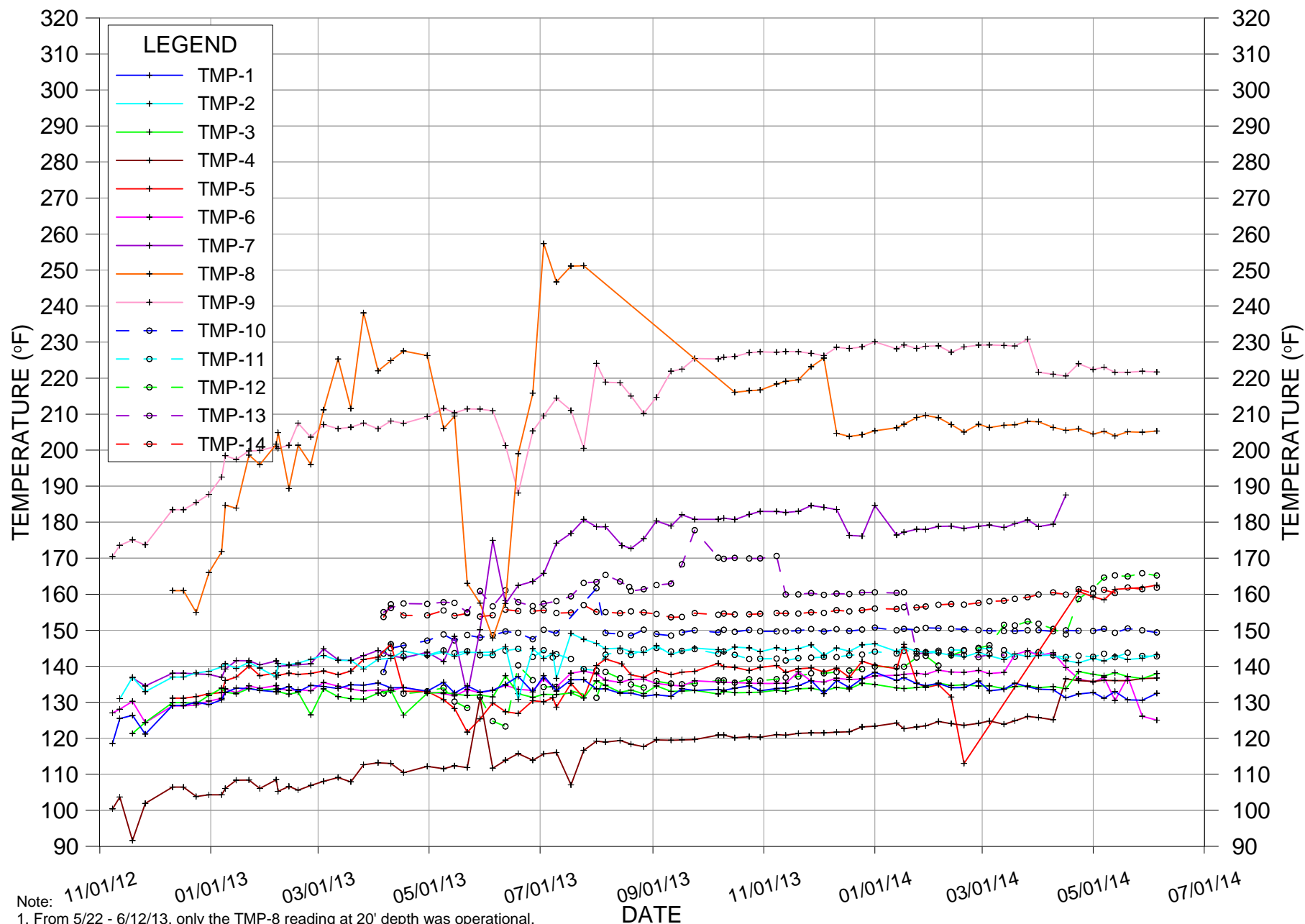
# 06/05/2014 -DEPTH



# 06/05/2014 - ELEVATION



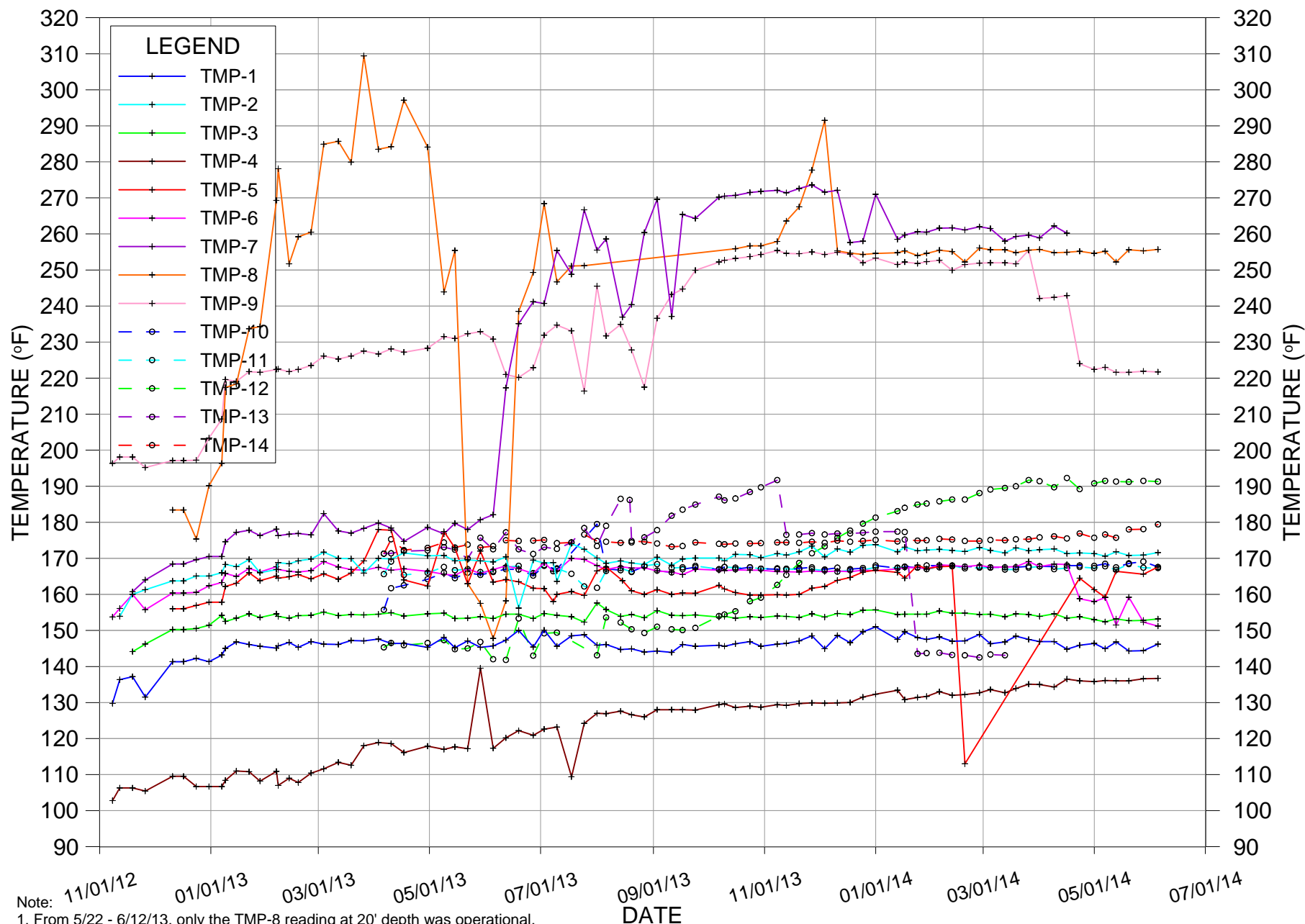
# AVERAGE TEMPERATURES



- Note:
- From 5/22 - 6/12/13, only the TMP-8 reading at 20' depth was operational.  
No valid readings were obtained for TMP-8 from 8/1 to 10/10/2013. Valid readings from 20' to 40' resumed on 10/16/2013.
  - A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
  - No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
  - End terminals were replaced just prior to the 8/6/2013 readings with type T Omega connectors (part # SMPW-CC-T-M) on all TMPs except for TMP-8.

TEMPERATURE VS TIME  
BRIDGETON LANDFILL

# MAXIMUM TEMPERATURES



- Note:
- From 5/22 - 6/12/13, only the TMP-8 reading at 20' depth was operational.  
No valid readings were obtained for TMP-8 from 8/1 to 10/10/2013. Valid readings from 20' to 40' resumed on 10/16/2013.
  - A new OMEGA dial was installed at TMP-7R on 6/12/2013 enabling more valid readings.
  - No valid readings were obtained for TMP-10 and TMP-12 on 7/18/2013 or 7/25/2013.
  - End terminals were replaced just prior to the 8/6/2013 readings with type T Omega connectors (part # SMPW-CC-T-M) on all TMPs except for TMP-8.

TEMPERATURE VS TIME  
BRIDGETON LANDFILL



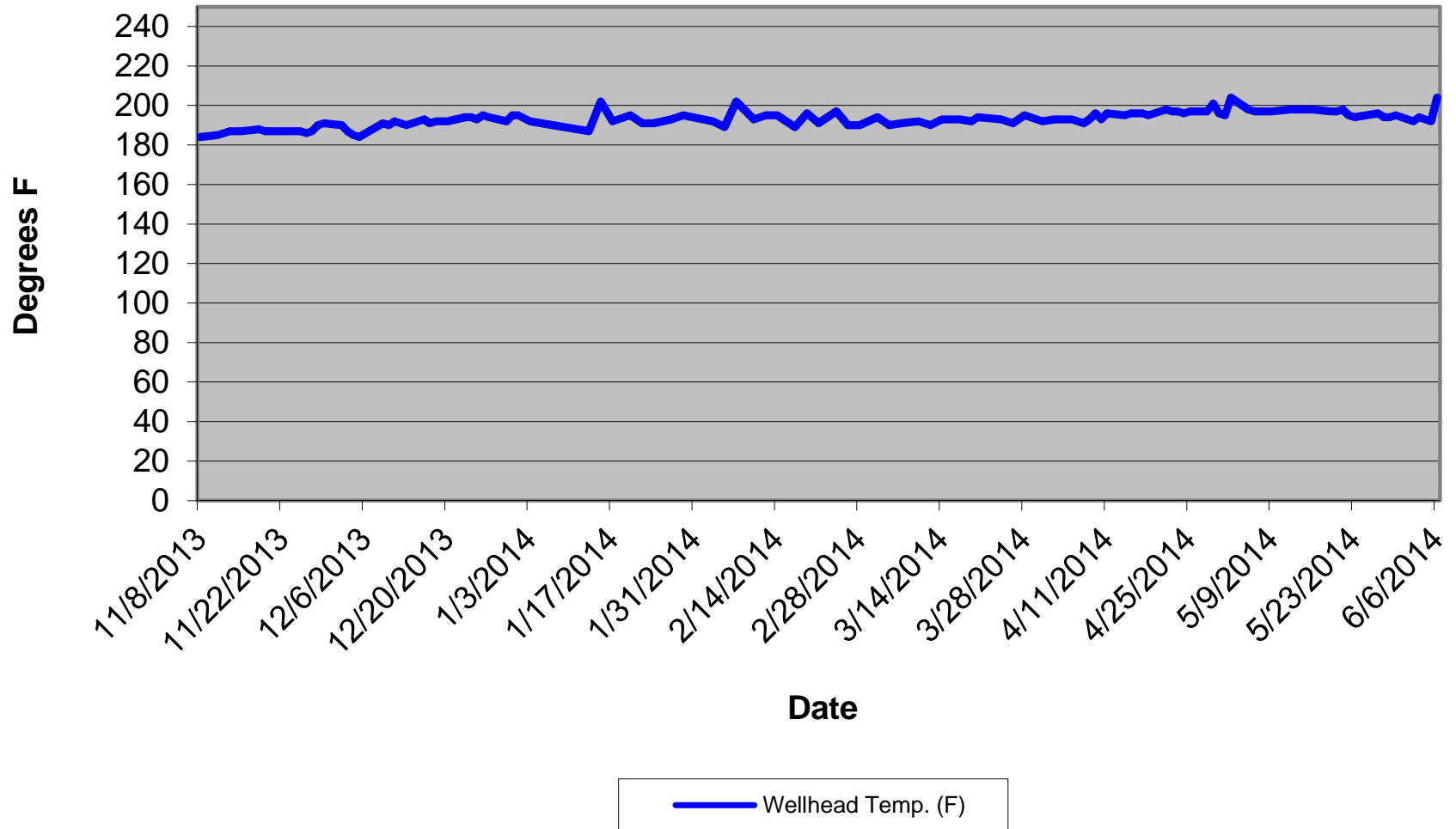
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**ATTACHMENT C**

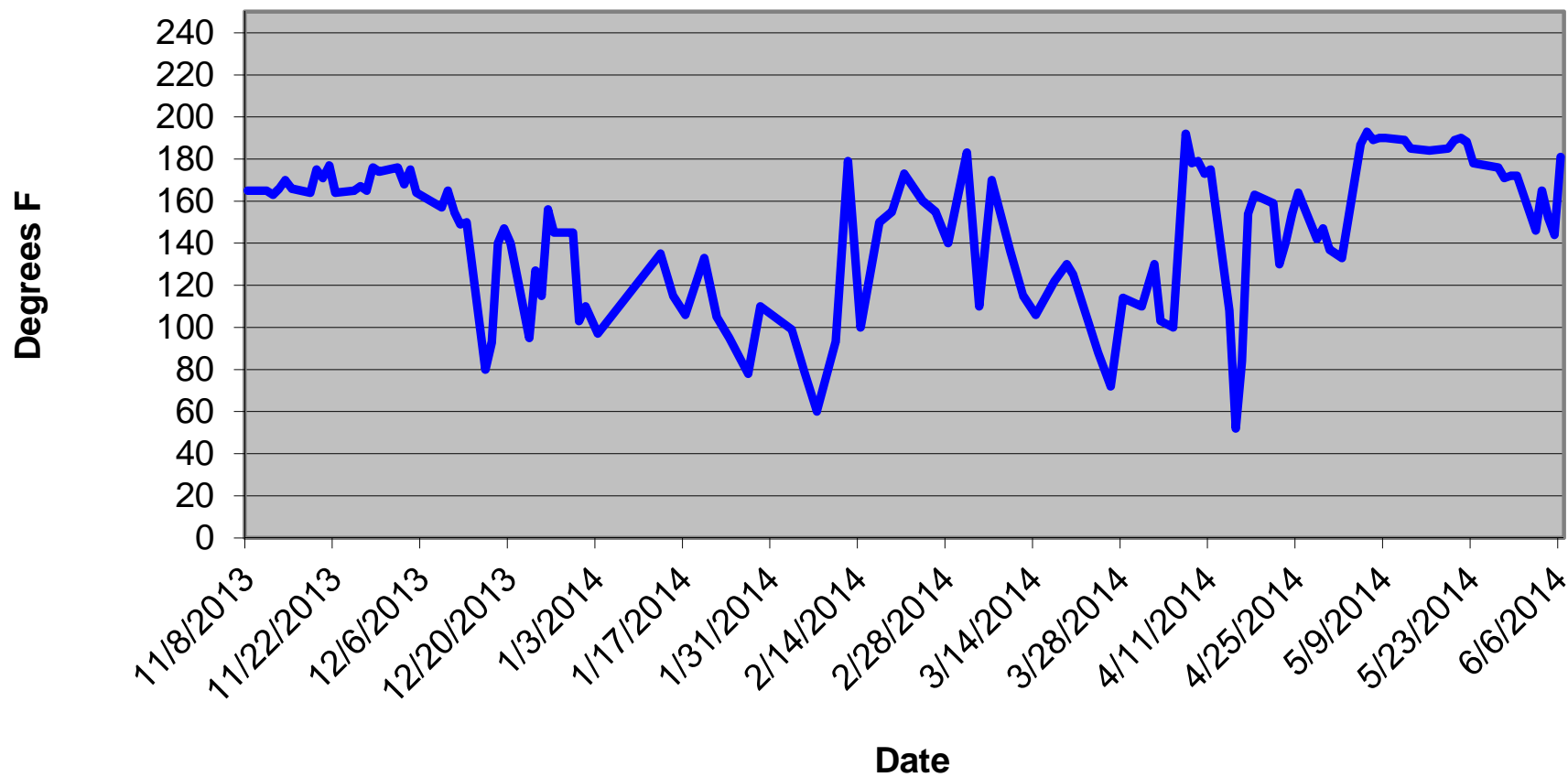
**GAS INTERCEPTOR WELLHEAD TEMPERATURE GRAPHS**

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## GIW-1 Wellhead Temperatures

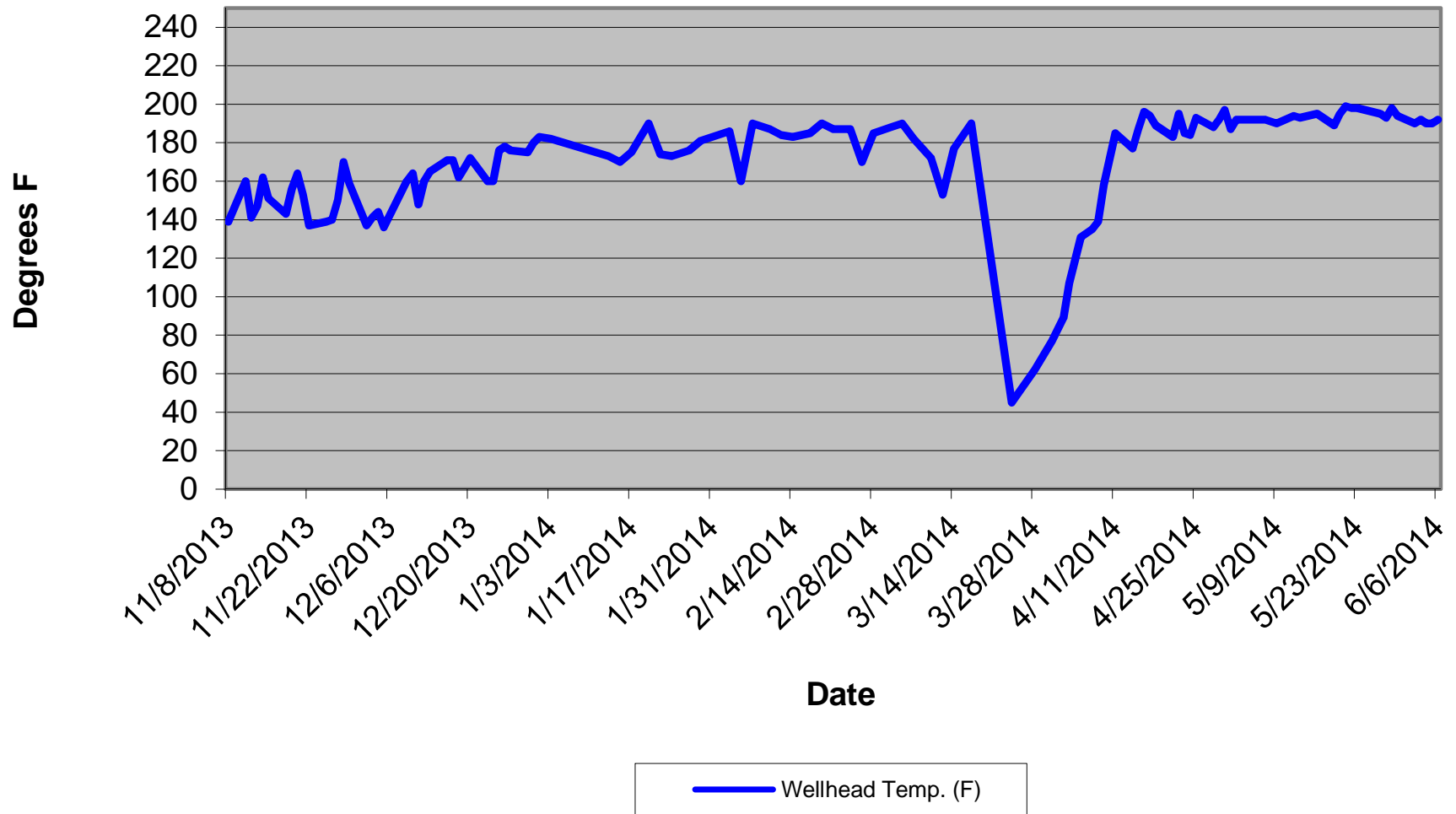


## GIW-2 Wellhead Temperatures

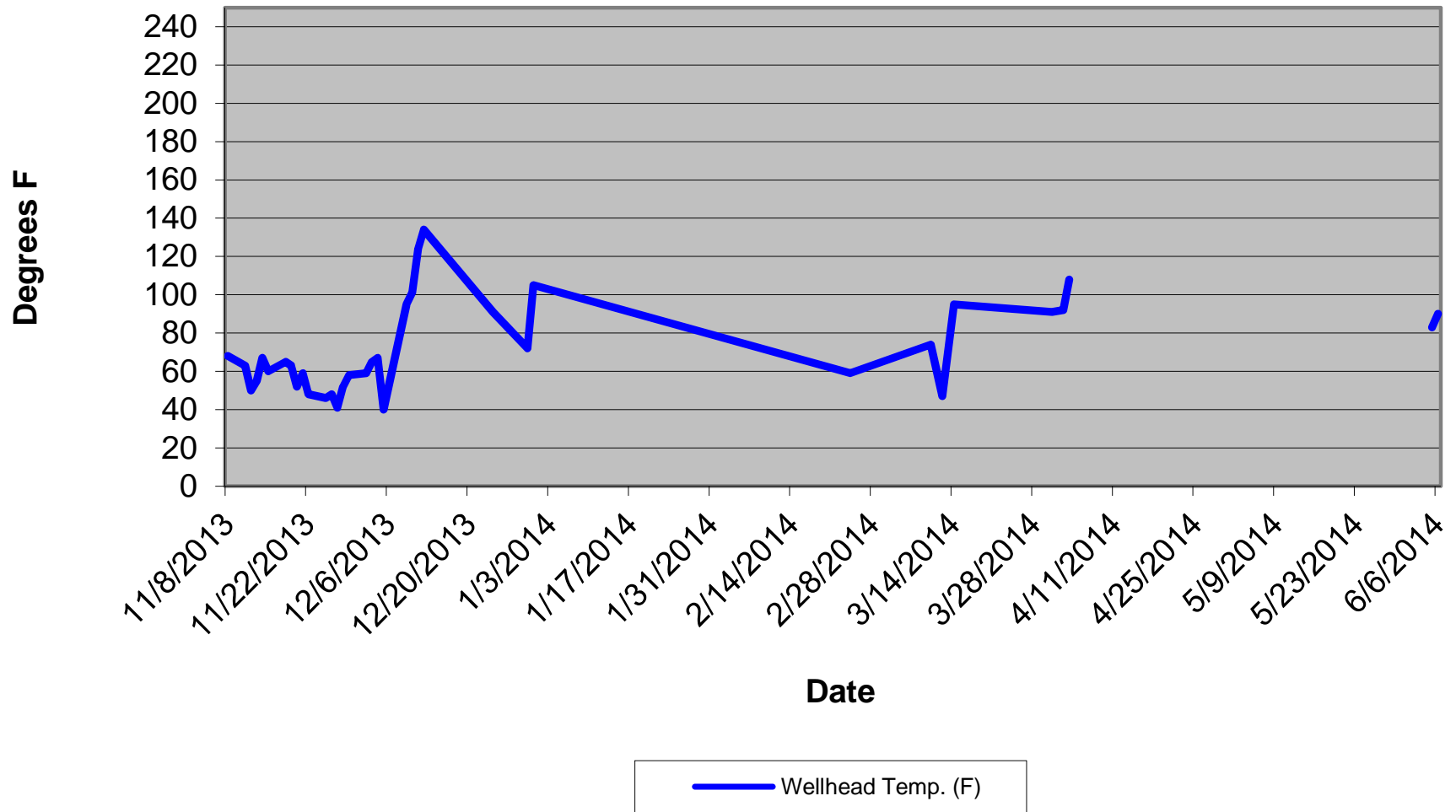


Wellhead Temp. (F)

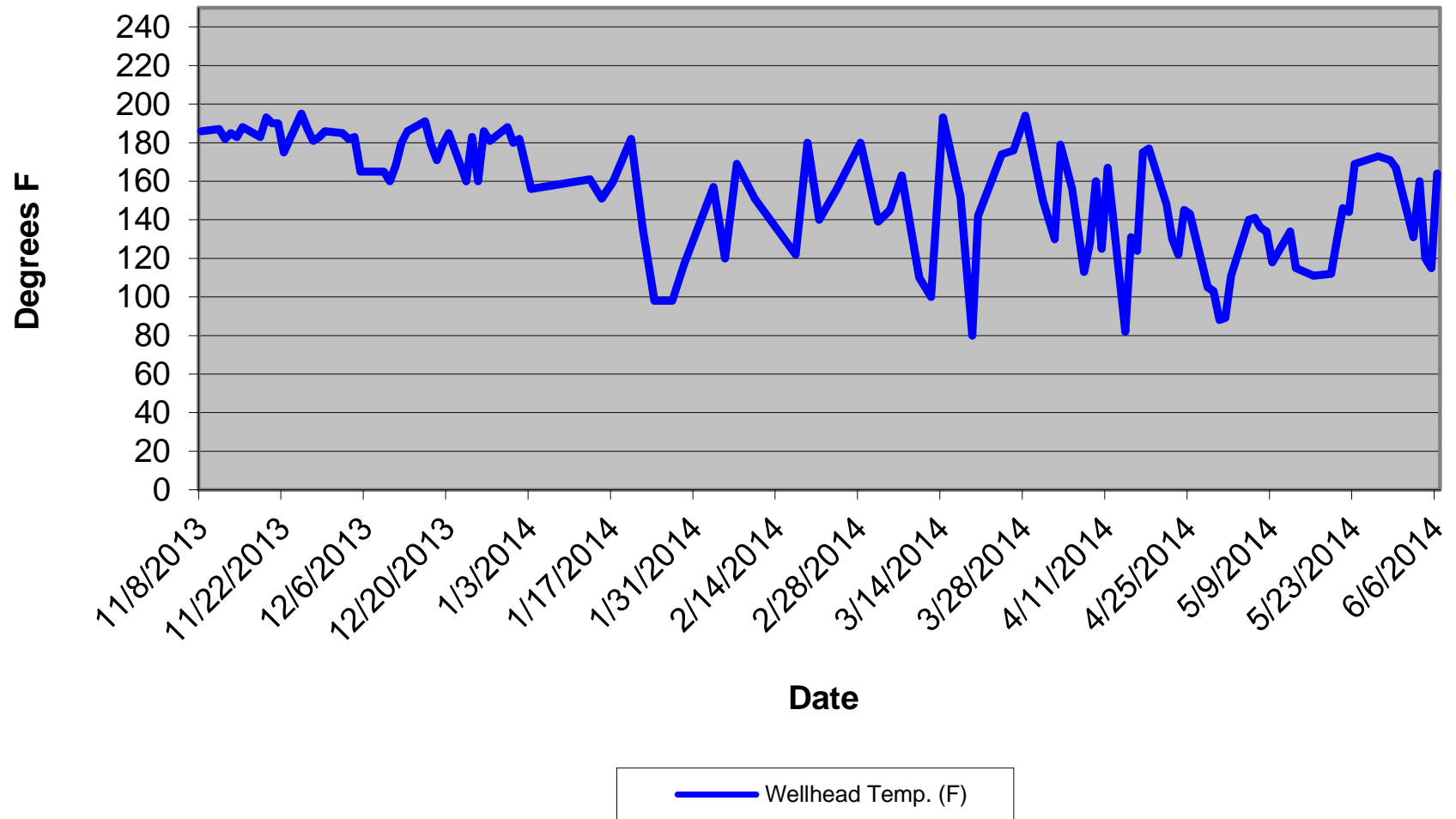
### GIW-3 Wellhead Temperatures



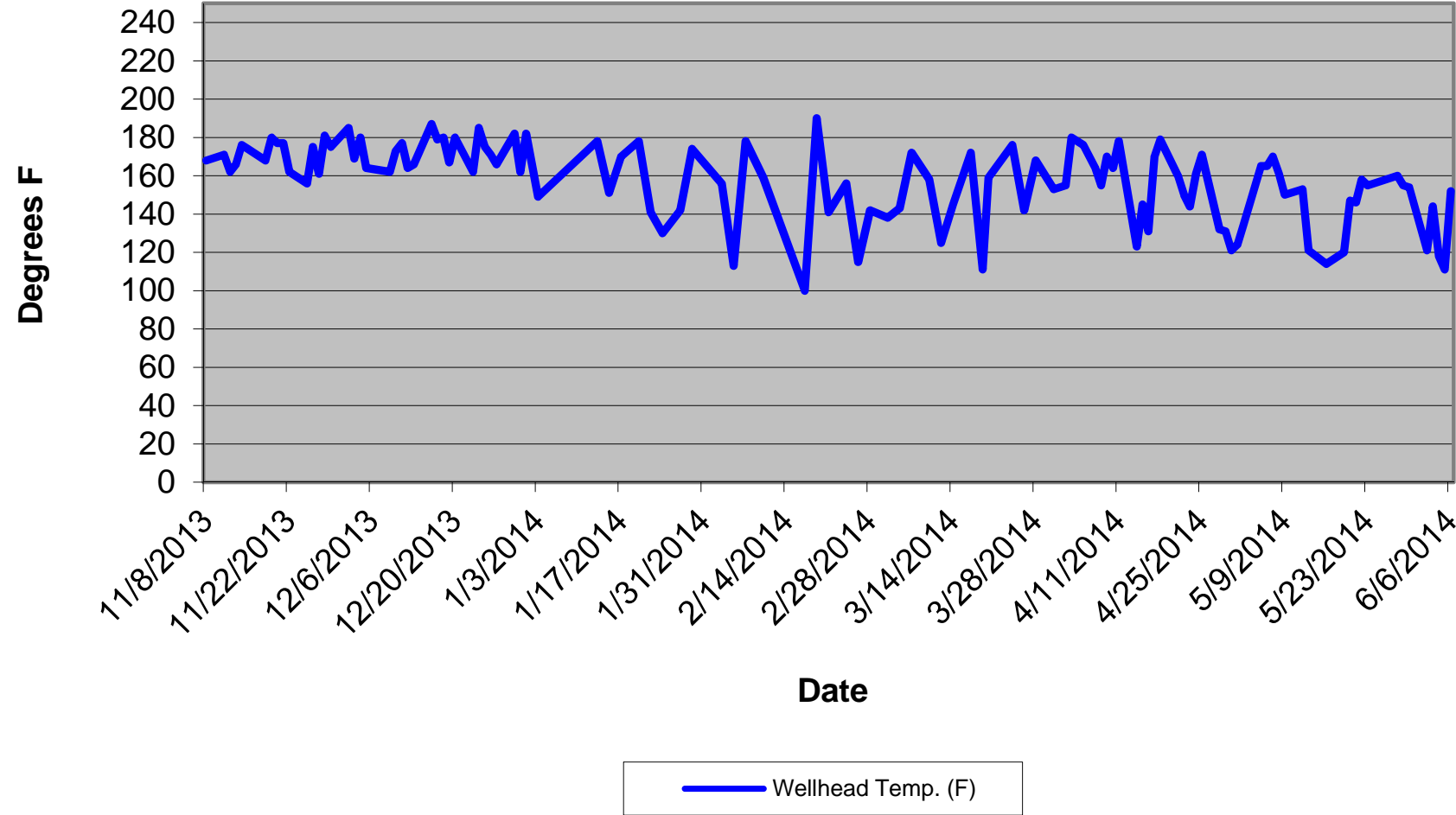
### GIW-4 Wellhead Temperatures



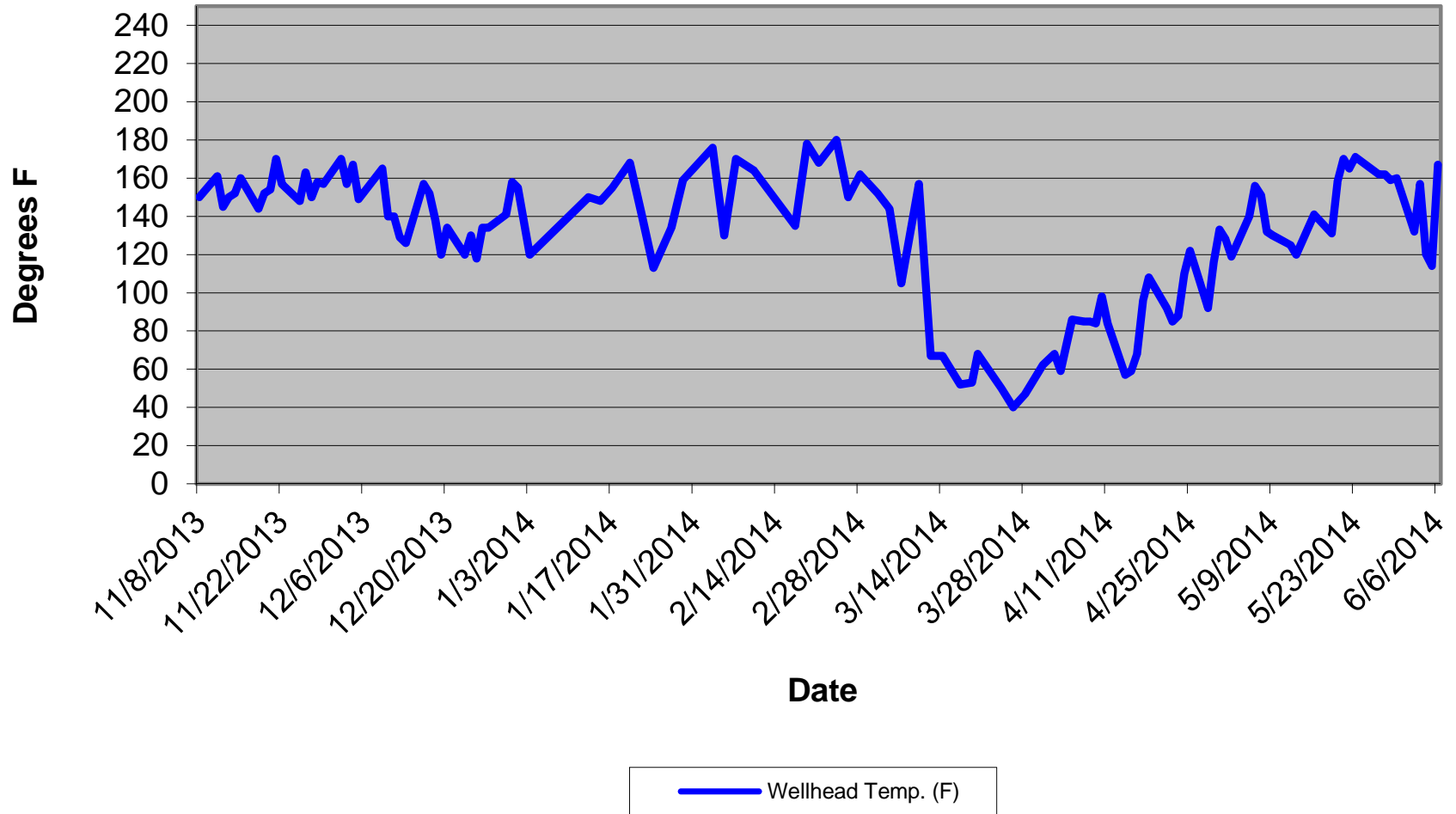
### GIW-5 Wellhead Temperatures



GIW-6 Wellhead Temperatures

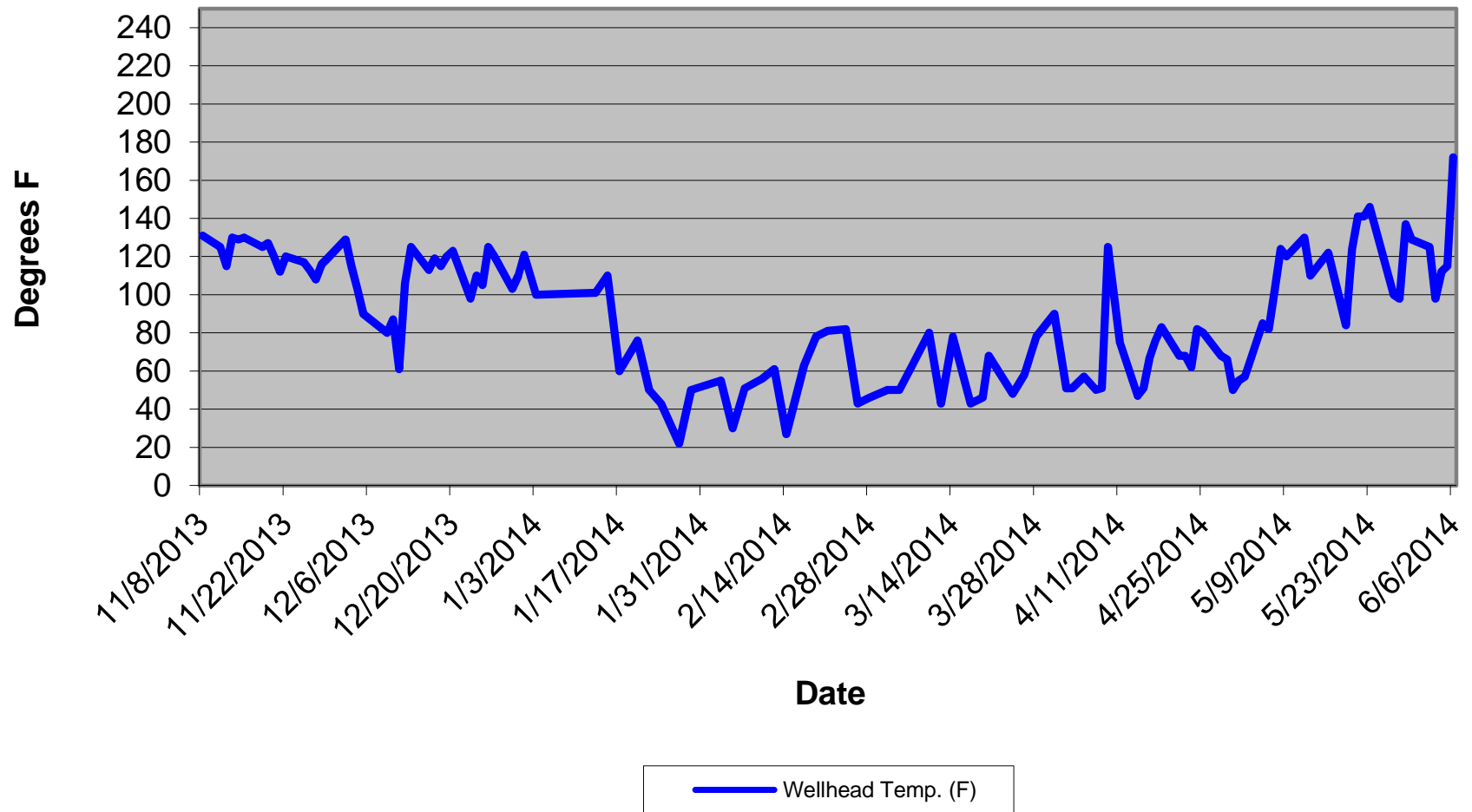


### GIW-7 Wellhead Temperatures

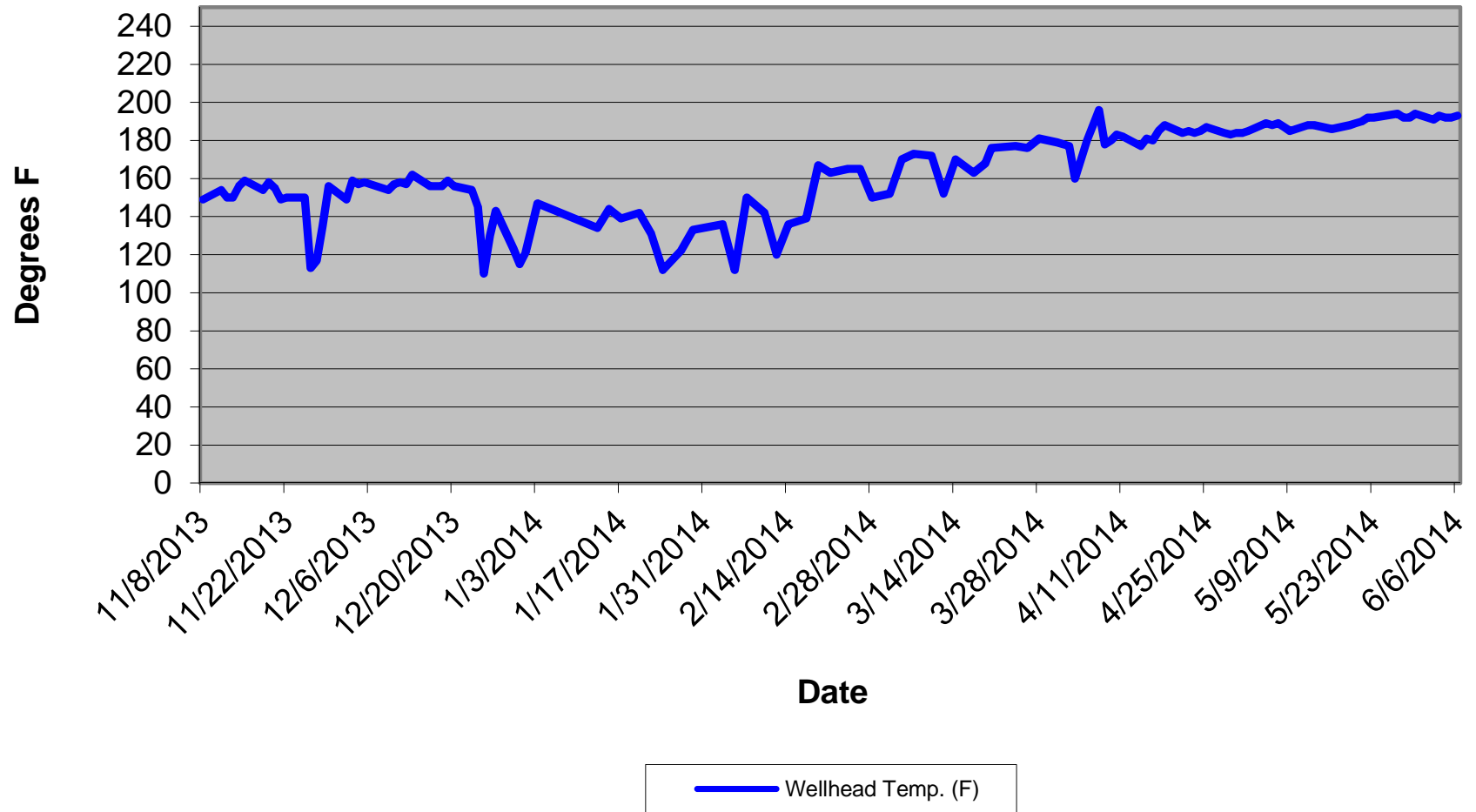




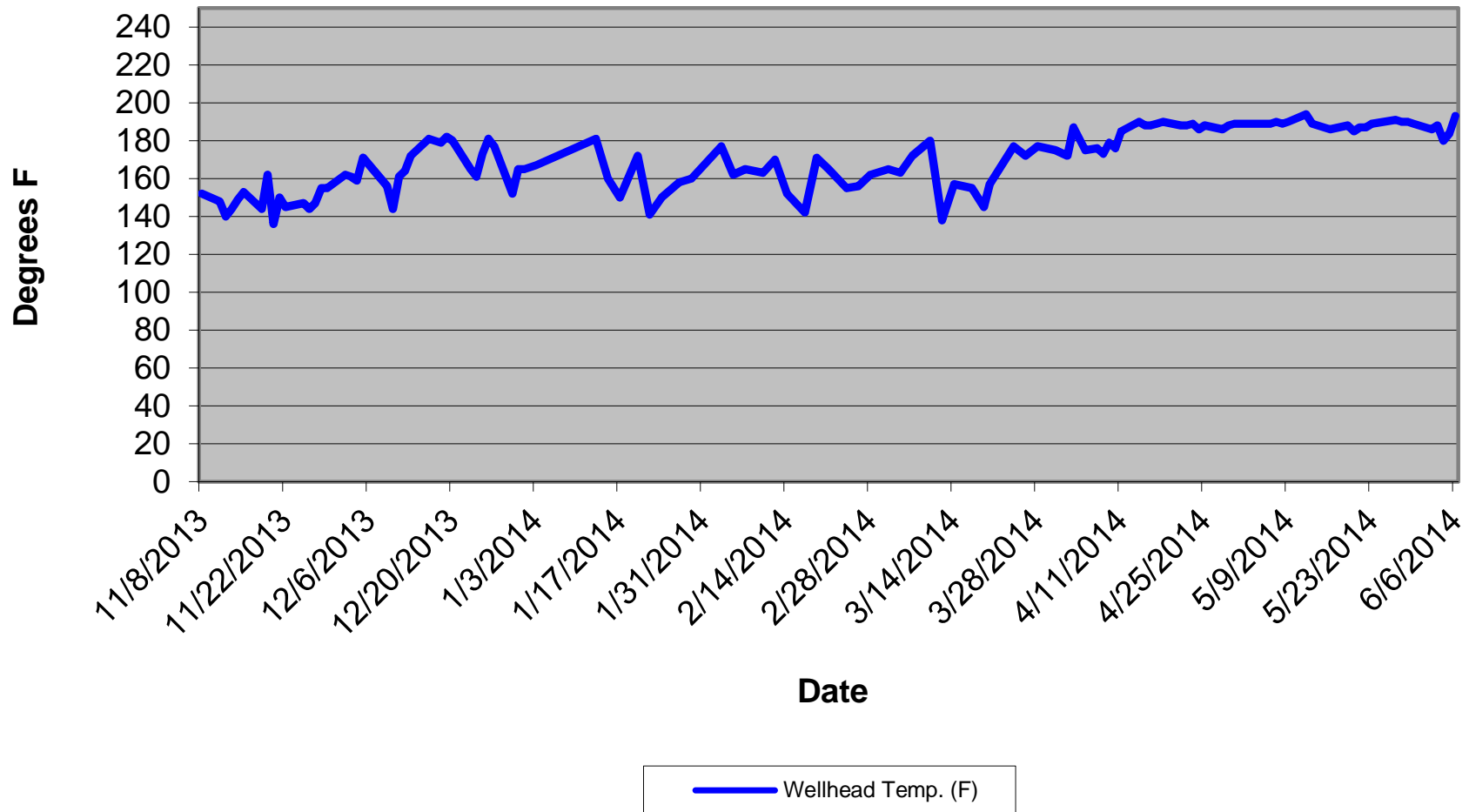
## GIW-8 Wellhead Temperatures



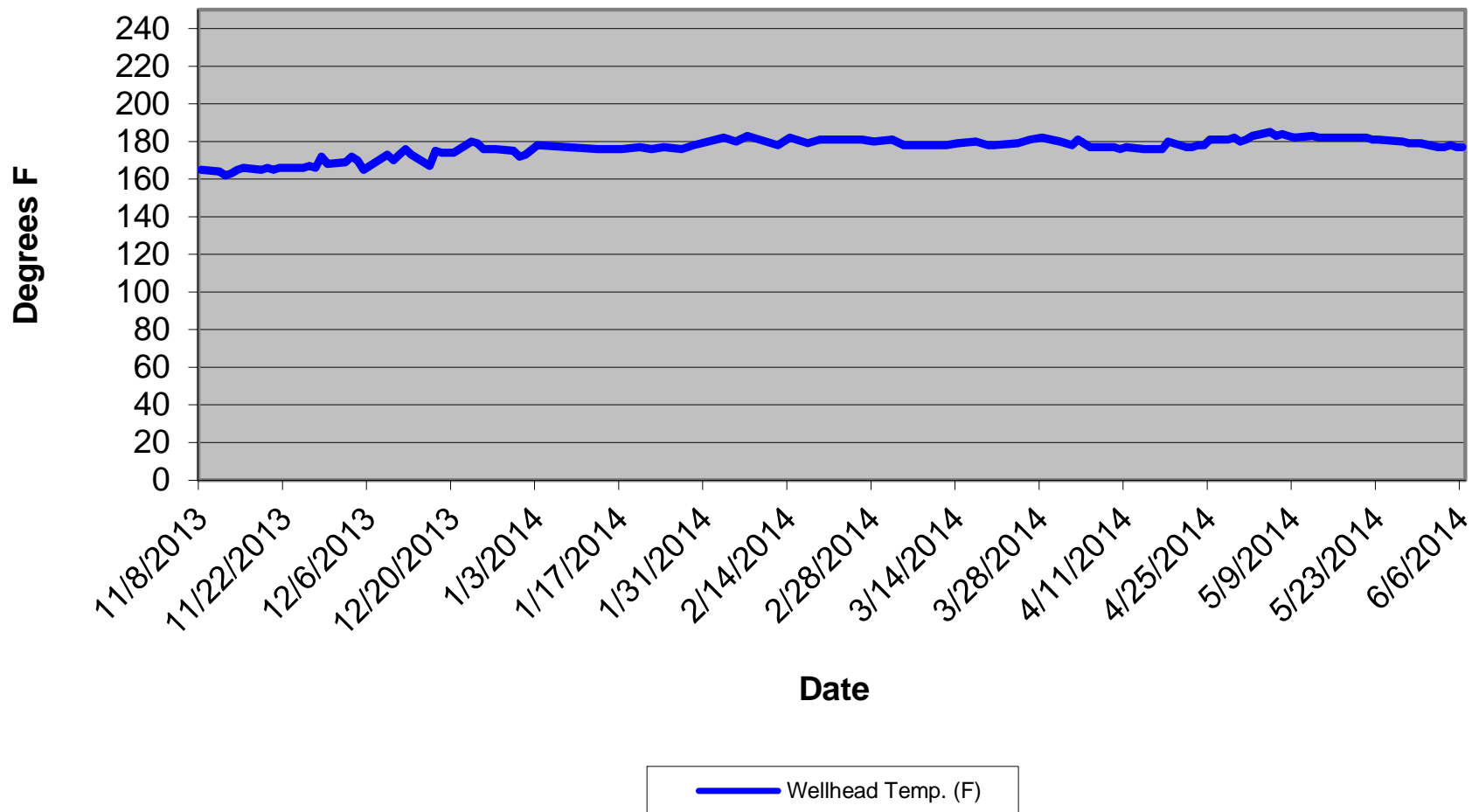
## GIW-9 Wellhead Temperatures



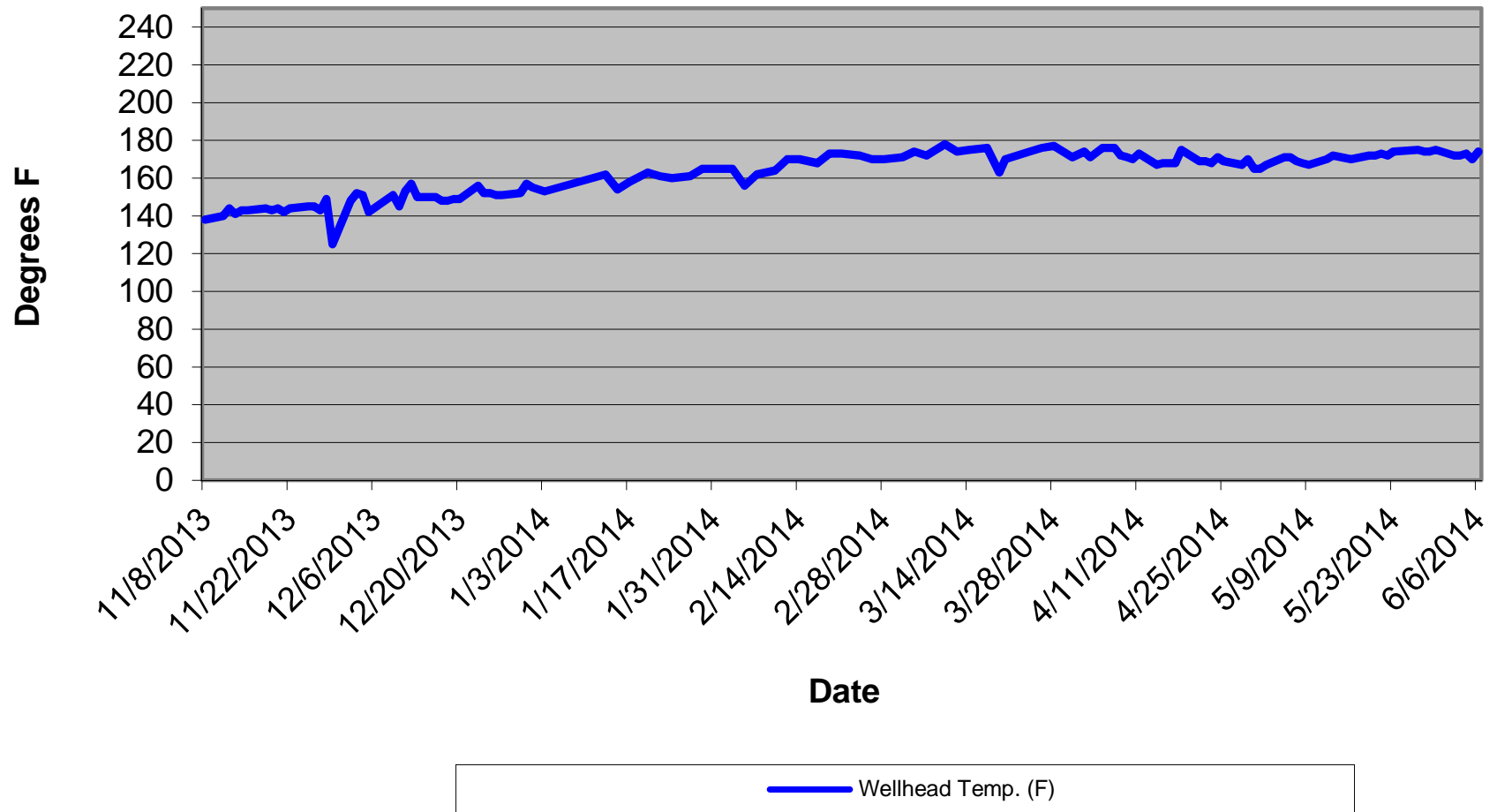
## GIW-10 Wellhead Temperatures



## GIW-11 Wellhead Temperatures



## GIW-12 Wellhead Temperatures



### GIW-13 Wellhead Temperatures

