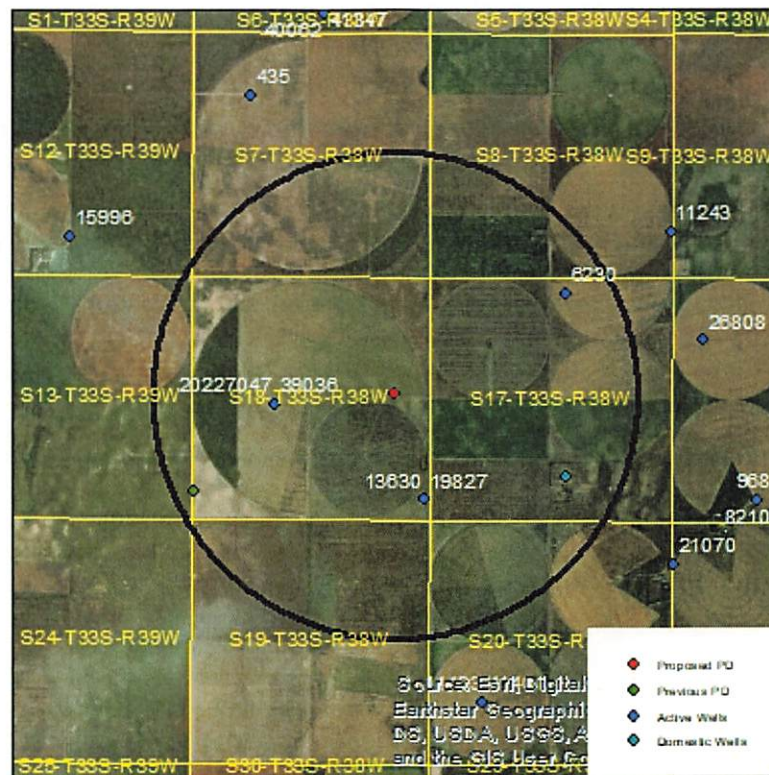


## Evaluation of proposed move for Water Right No. 39036

Proposed: Move water right no. 39036 to a new well location, a distance of 2,628 ft to the east. This water right was recently moved, so drawdown effects were calculated from the previous location.



Wells within 1 mile: 13630 & 19827, 6230, and a domestic well in section 17-33-38.

The saturated thickness at the proposed well location is estimated to be 186 ft, based upon the GMD3 model. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

**50 year Theis Analysis:** The following values were used to run the analysis:

$S = 0.08851$ ,  $T = 6333 \text{ ft}^2/\text{day}$ ,  $tp_{\text{current}} = 98 \text{ days}$  (based on average use and observed rate),  
 $Q_{\text{current}} = 172 \text{ gpm}$  (based on 2014 field inspection),  $tp_{\text{proposed}} = 112 \text{ days}$ ,  $Q_{\text{proposed}} = 375 \text{ gpm}$

Theis drawdowns were calculated as follows:

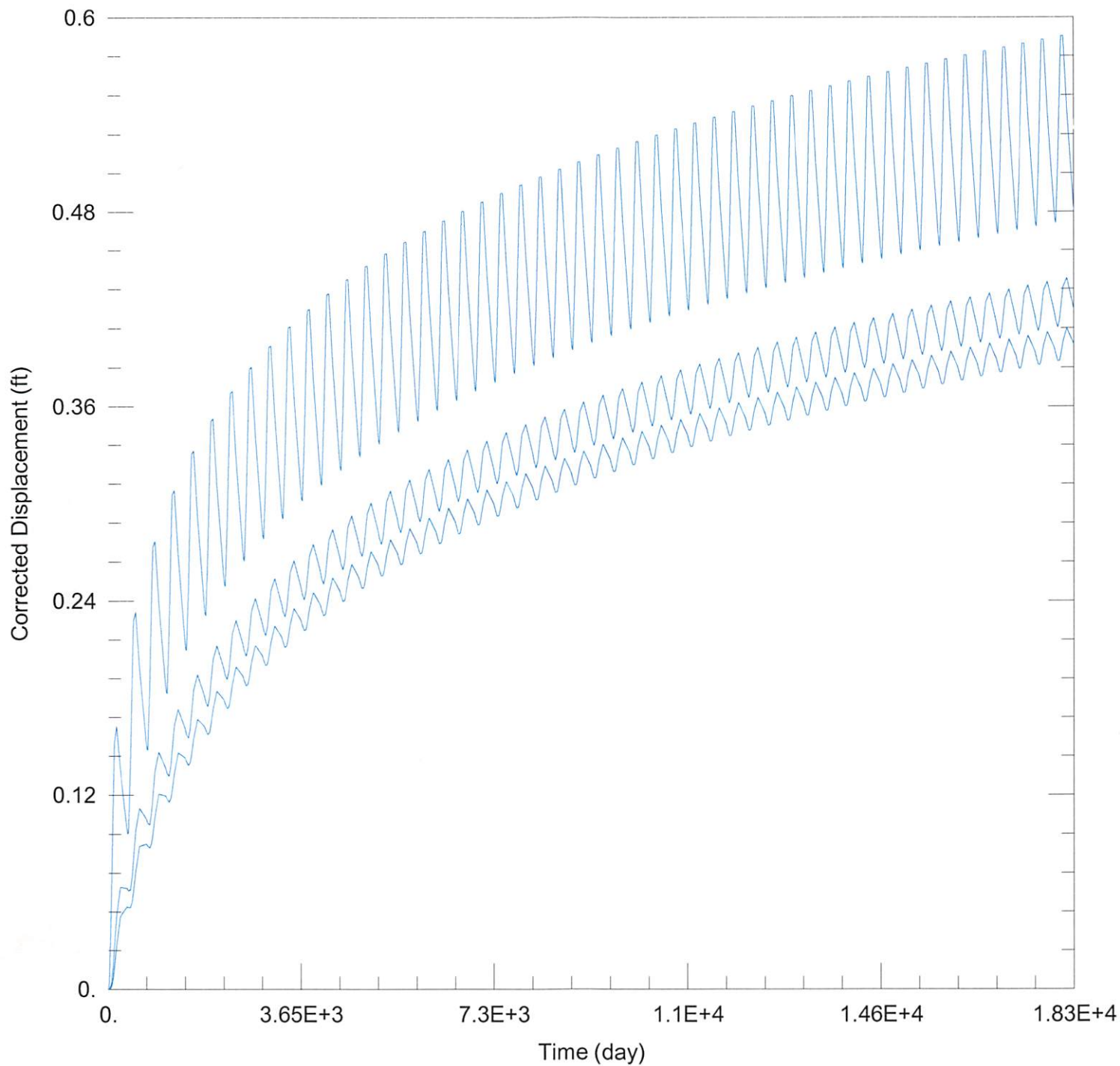
13630 & 19827:	Drawdown from current location = 0.59 ft
	Drawdown from proposed location = 2.41 ft
	Net drawdown = <b>1.8 ft</b>
6230:	Drawdown from current location = 0.41 ft
	Drawdown from proposed location = 1.62 ft
	Net drawdown = <b>1.2 ft</b>

Domestic 17-33-38:      Drawdown from current location = 0.44 ft  
                                 Drawdown from proposed location = 1.67 ft  
                                 Net drawdown = **1.2 ft**

Net drawdown does not exceed the drawdown allowance of 3.5 ft for any well within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

**Conclusion:**

The proposed move is likely to create minimal effects on neighboring wells and appears unlikely to cause impairment. Any concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023\_moves\39036\39036 Current.aqt

Date: 03/27/23

Time: 13:53:38

### PROJECT INFORMATION

Company: GMD 3

Project: 39036

Location: Stevens County

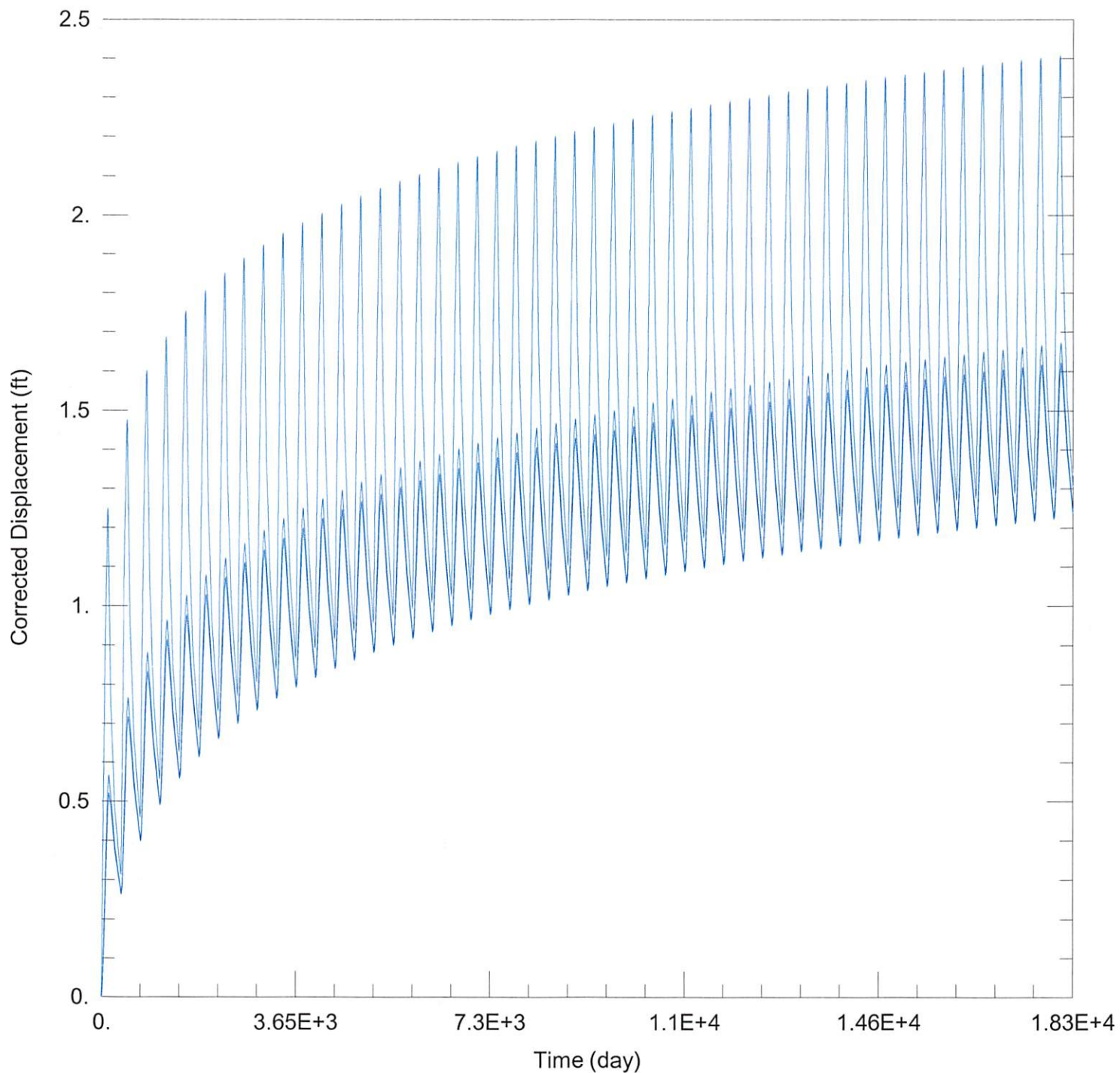
### WELL DATA

#### Pumping Wells

#### Observation Wells

Well Name	X (ft)	Y (ft)
39036	-204446	108785

Well Name	X (ft)	Y (ft)
□	-204446	108785



### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023\_moves\39036\39036 Proposed.aqt

Date: 03/27/23

Time: 13:53:31

### PROJECT INFORMATION

Company: GMD 3

Project: 39036

Location: Stevens County

### WELL DATA

#### Pumping Wells

Well Name	X (ft)	Y (ft)
39036	-200063	110868

#### Observation Wells

Well Name	X (ft)	Y (ft)
□	-200063	110868