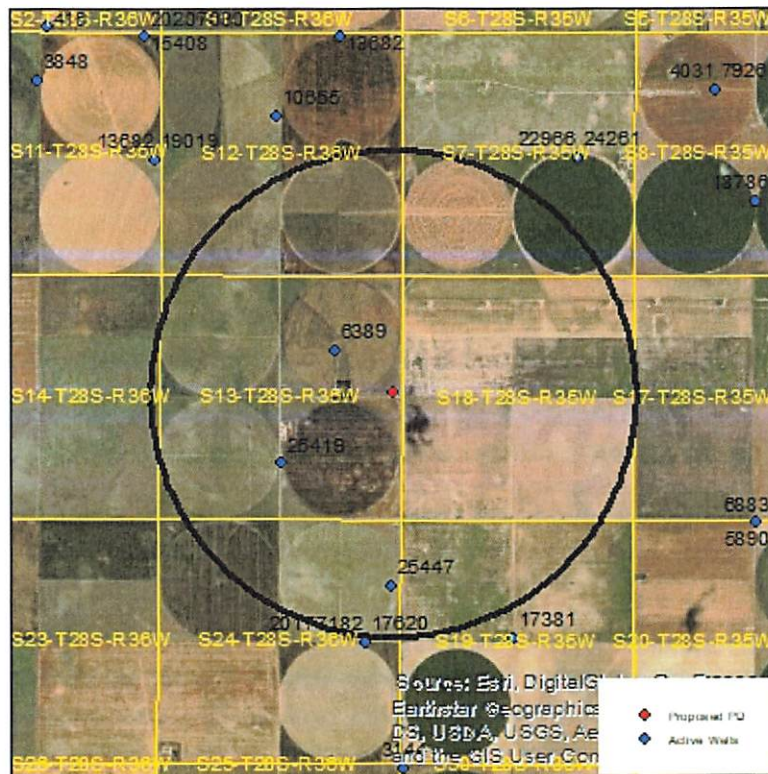


Evaluation of proposed move for Water Right No. 6389

Proposed: Move water right no. 6389 to a new well location, a distance of 1,570 ft to the southeast.



Wells within 1 mile: 25419 and 25447.

The saturated thickness at the proposed well location is estimated to be 99 ft, based upon the driller's log and an observation well in section 24-28-36. For saturated thickness between 75 ft and 100 ft, the drawdown allowance is 2.0 ft.

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

$S = 0.1558$, $T = 4469 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 156 \text{ days}$ (based on average use and reported rate),
 $Q_{\text{current}} = 400 \text{ gpm}$ (based on 2020 water use report), $tp_{\text{proposed}} = 59 \text{ days}$, $Q_{\text{proposed}} = 1525 \text{ gpm}$

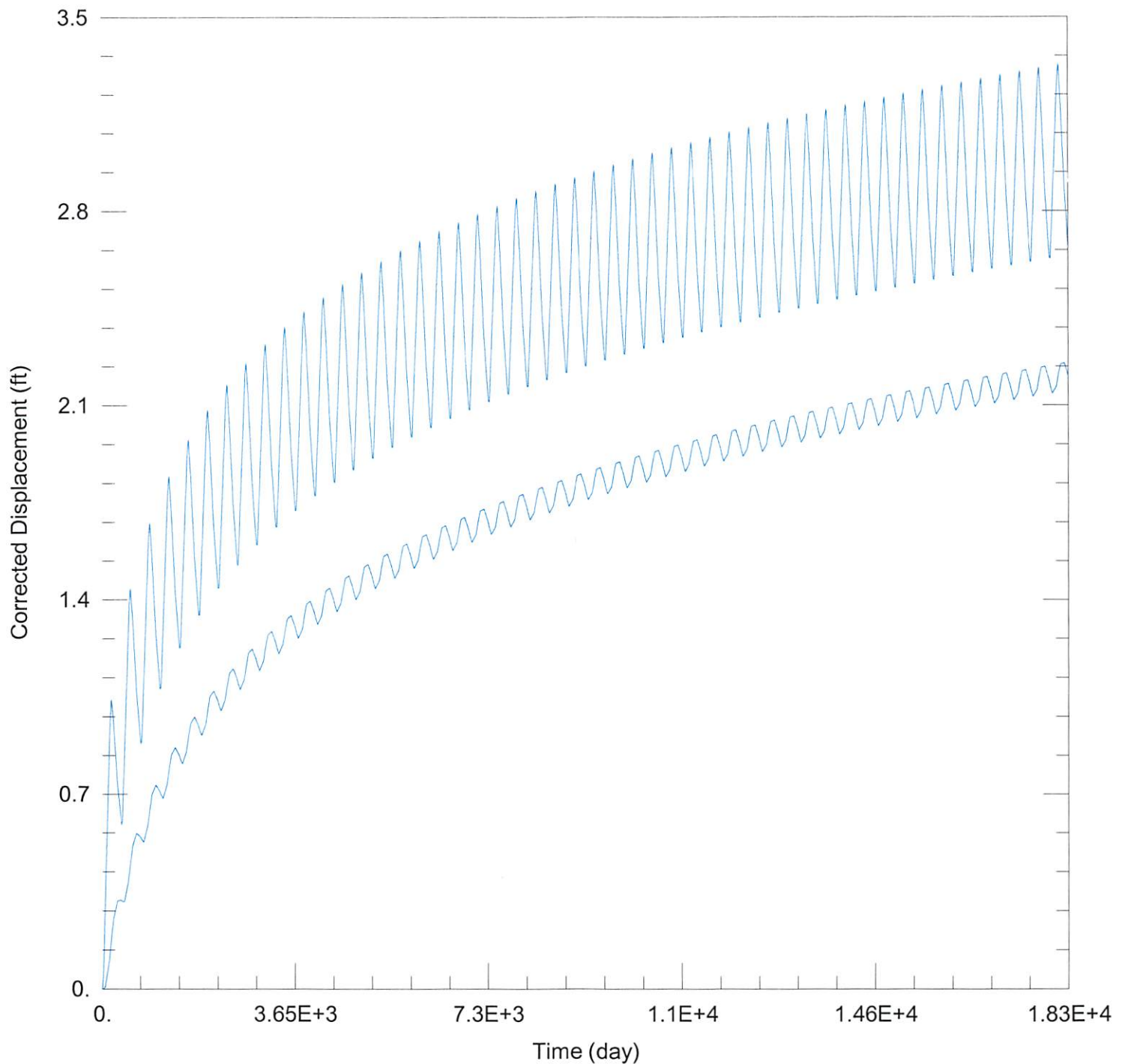
Theis drawdowns were calculated as follows:

25419:	Drawdown from current location = 3.33 ft
	Drawdown from proposed location = 4.83 ft
	Net drawdown = 1.5 ft
25447:	Drawdown from current location = 2.25 ft
	Drawdown from proposed location = 3.75 ft
	Net drawdown = 1.5 ft

Net drawdown does not exceed the drawdown allowance of 2.0 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\2022_moves\6389\6389 Current.aqt

Date: 08/05/22

Time: 11:48:02

PROJECT INFORMATION

Company: GMD 3

Project: 6389

Location: Grant County

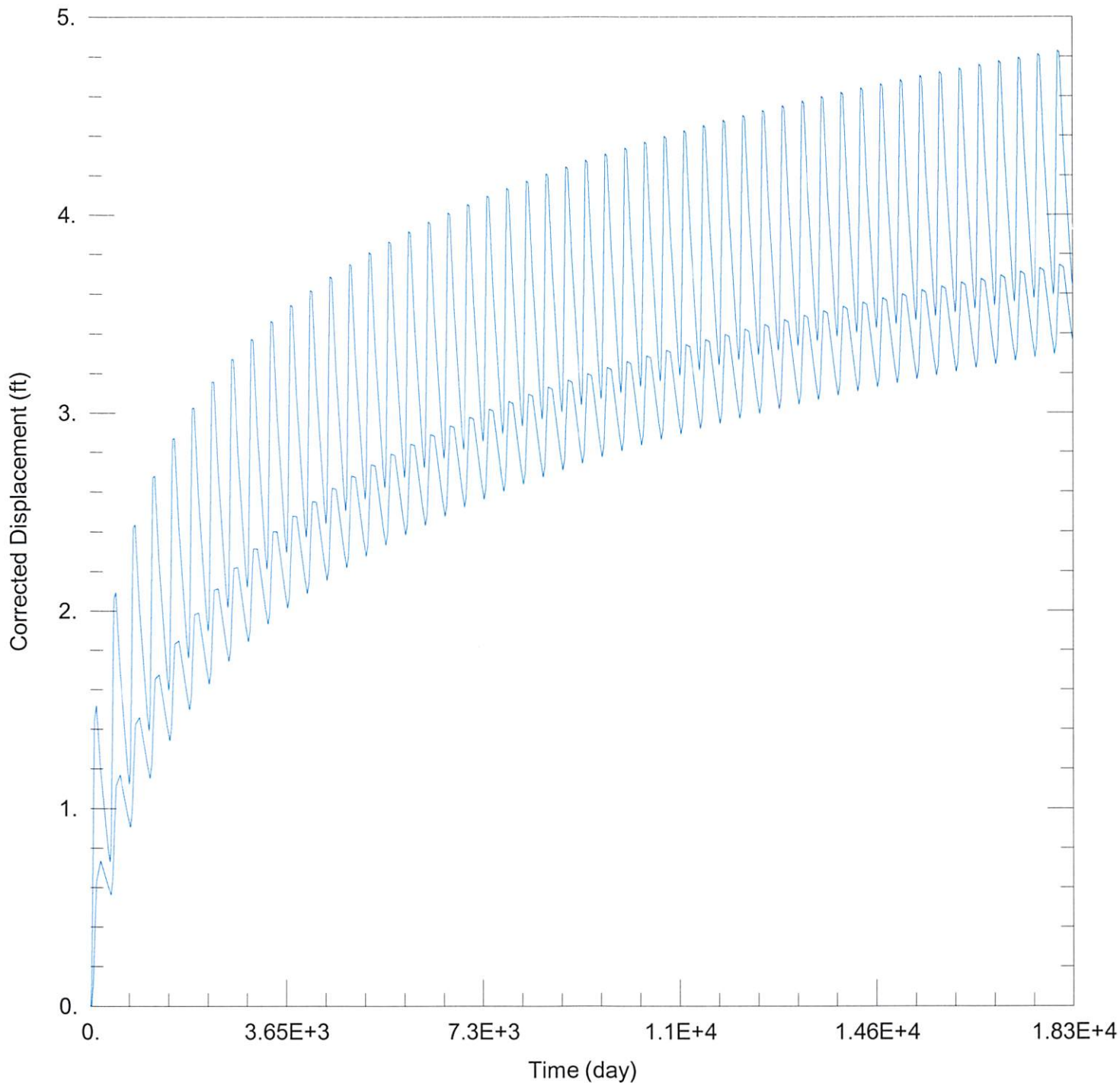
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
6389	-117211	269865

Observation Wells

Well Name	X (ft)	Y (ft)
6389	-117211	269865



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\6389\6389 Proposed.aqt

Date: 08/05/22

Time: 11:47:54

PROJECT INFORMATION

Company: GMD 3

Project: 6389

Location: Grant County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
6389	-115955	268923

Observation Wells

Well Name	X (ft)	Y (ft)
6389	-115955	268923