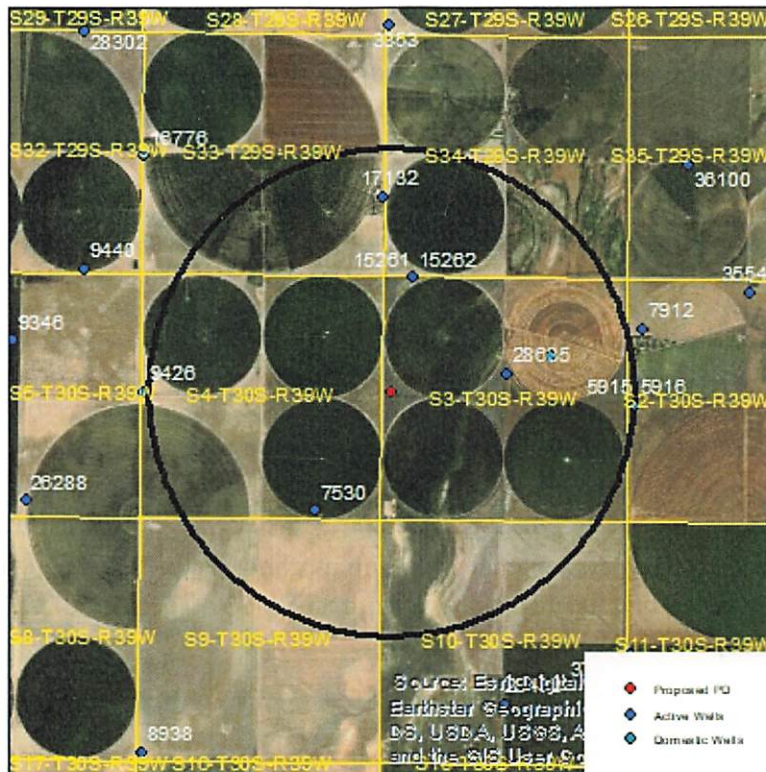


Evaluation of proposed move for Water Right Nos. 15261 & 15262

Proposed: Move water right nos. 15261 & 15262 to a new well location, a distance of 2,497 ft to the southwest.



Wells within 1 mile: 17132, 7530, 28635, 5195 & 5196, and a domestic well in section 3-30-39.

The saturated thickness at the proposed well location is estimated to be 132 ft, based upon the GMD3 model. For saturated thickness between 125 ft and 150 ft, the drawdown allowance is 3.0 ft.

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

$S = 0.2323$, $T = 8309 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 108 \text{ days}$ (based on average use and observed rate),
 $Q_{\text{current}} = 1049 \text{ gpm}$ (based on 2019 field inspection), $tp_{\text{proposed}} = 72 \text{ days}$, $Q_{\text{proposed}} = 2000 \text{ gpm}$

Theis drawdowns were calculated as follows:

17132: Drawdown from current location = 4.60 ft
 Drawdown from proposed location = 3.46 ft
 Net drawdown = **-1.1 ft**

7530: Drawdown from current location = 2.30 ft
 Drawdown from proposed location = 4.29 ft
 Net drawdown = **2.0 ft**

28635: Drawdown from current location = 3.43 ft
Drawdown from proposed location = 4.91 ft
Net drawdown = **1.5 ft**

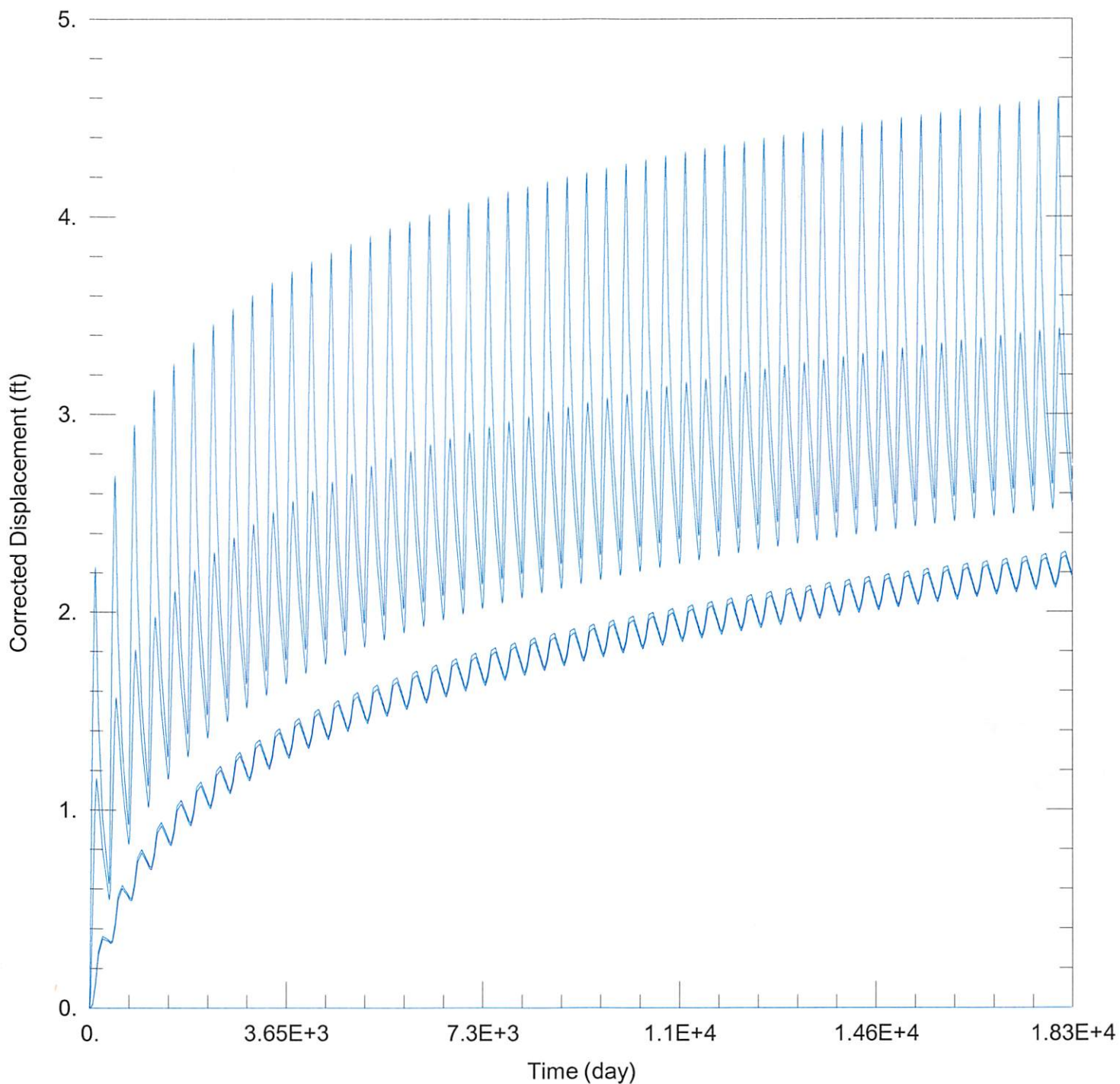
5195 & 5196: Drawdown from current location = 2.28 ft
Drawdown from proposed location = 3.00 ft
Net drawdown = **0.7 ft**

Domestic 3-30-39: Drawdown from current location = 3.08 ft
Drawdown from proposed location = 3.87 ft
Net drawdown = **0.8 ft**

Net drawdown does not exceed the drawdown allowance of 3.0 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\2023_moves\15261_15262\15261 & 15262 Current.aqt

Date: 03/01/23

Time: 15:03:27

PROJECT INFORMATION

Company: GMD 3

Project: 15261 & 15262

Location: Stanton County

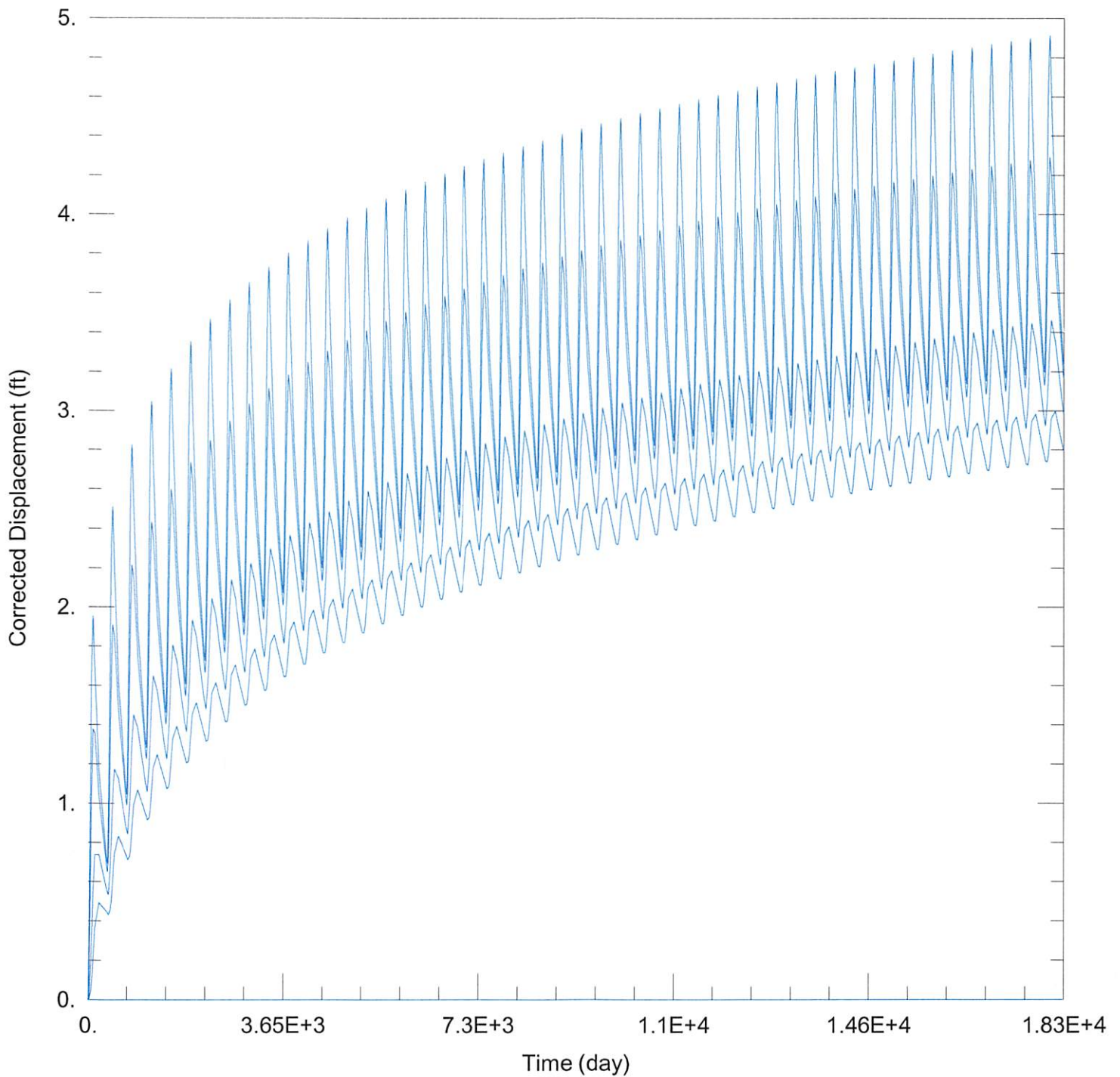
WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)
15261 & 15262	-226054	219520

Well Name	X (ft)	Y (ft)
□	-226054	219520



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023_moves\15261_15262\15261 & 15262 Proposed.aqt

Date: 03/01/23

Time: 15:03:18

PROJECT INFORMATION

Company: GMD 3

Project: 15261 & 15262

Location: Stanton County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
15261 & 15262	-226516	217066

Observation Wells

Well Name	X (ft)	Y (ft)
□	-226516	217066