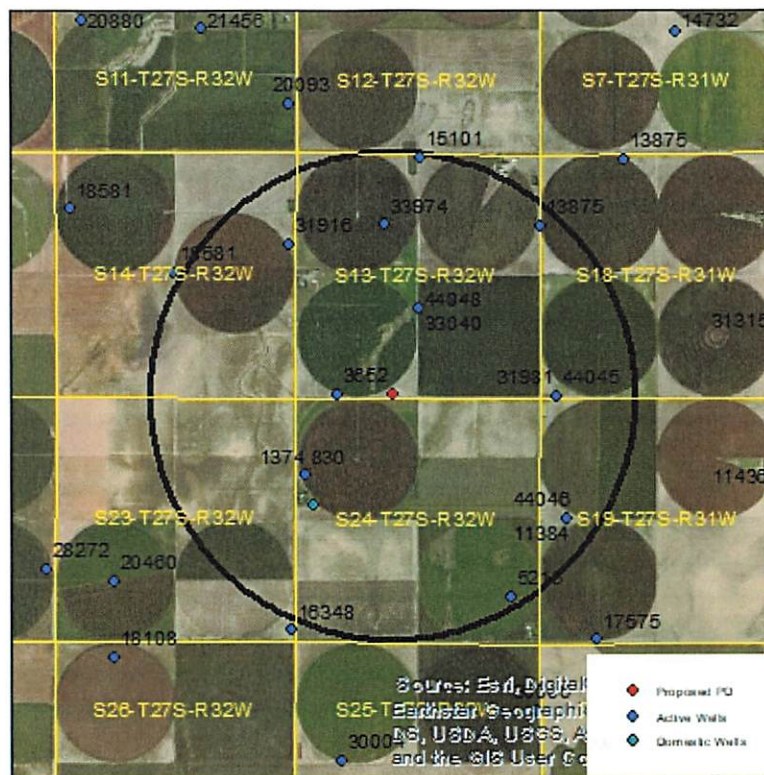


Evaluation of proposed move for Water Right No. 3652

Proposed: Move water right no. 3652 to a new well location, a distance of 1,181 ft to the southeast.



Wells within 1 mile: 31916, 33974, 33040 & 44048, 13875, 31981 & 44045, 830 & 1374, 5215, 11384 & 44046, and a domestic well in section 24-27-32.

The saturated thickness at the proposed well location is estimated to be 207 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

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

$S = 0.07477$, $T = 8048 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 122 \text{ days}$ (based on average use and observed rate),
 $Q_{\text{current}} = 300 \text{ gpm}$ (based on 2017 water use report), $tp_{\text{proposed}} = 74 \text{ days}$, $Q_{\text{proposed}} = 990 \text{ gpm}$

Theis drawdowns were calculated as follows:

31916: Drawdown from current location = 1.46 ft
Drawdown from proposed location = 2.79 ft
Net drawdown = **1.3 ft**

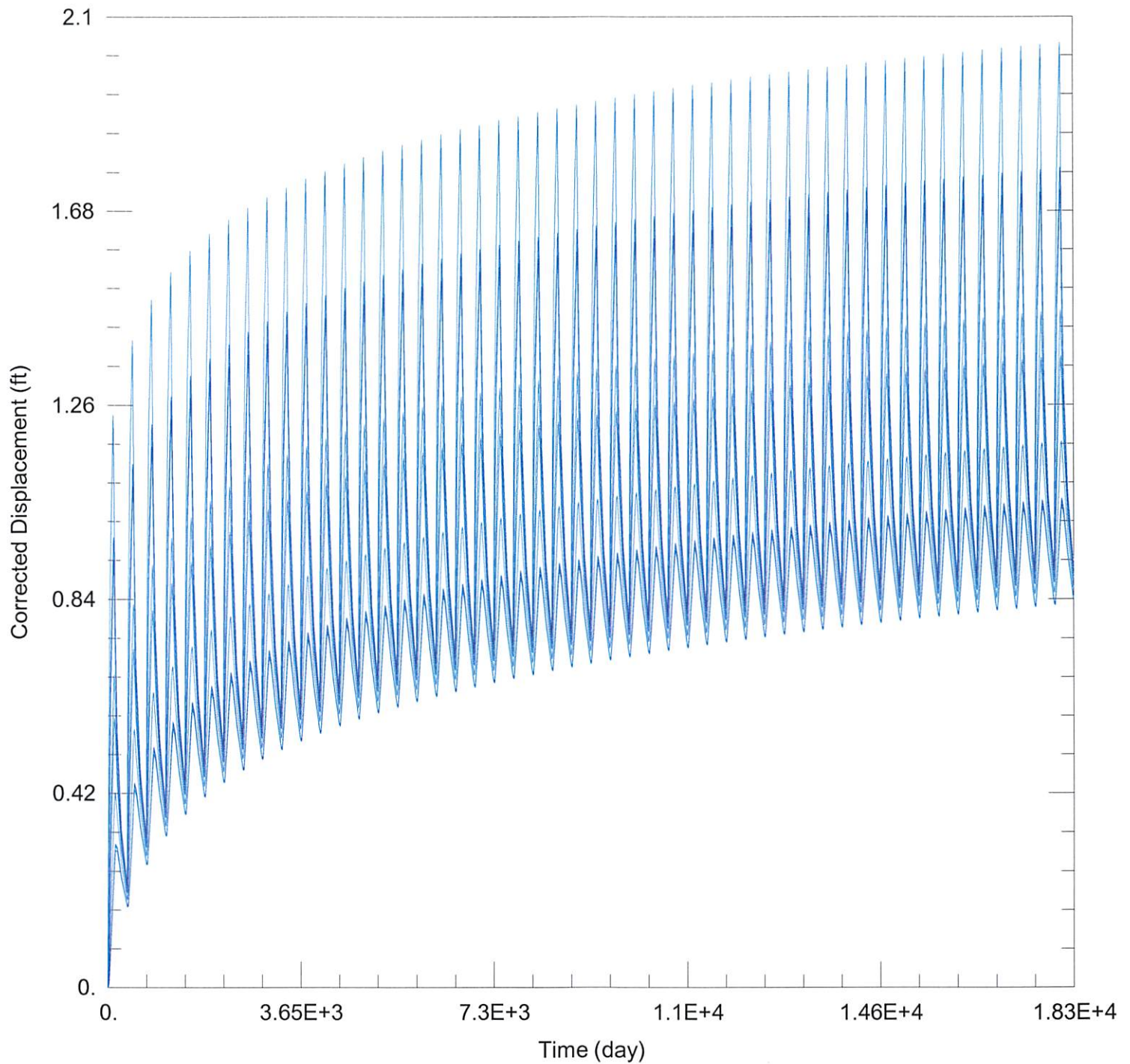
33974: Drawdown from current location = 1.37 ft
Drawdown from proposed location = 2.97 ft
Net drawdown = **1.6 ft**

33040 & 44048:	Drawdown from current location = 1.72 ft Drawdown from proposed location = 4.72 ft Net drawdown = 3.0 ft
13875:	Drawdown from current location = 1.05 ft Drawdown from proposed location = 2.41 ft Net drawdown = 1.4 ft
31981 & 44045:	Drawdown from current location = 1.18 ft Drawdown from proposed location = 3.06 ft Net drawdown = 1.9 ft
830 & 1374:	Drawdown from current location = 2.04 ft Drawdown from proposed location = 3.91 ft Net drawdown = 1.9 ft
5215:	Drawdown from current location = 1.04 ft Drawdown from proposed location = 2.34 ft Net drawdown = 1.3 ft
11384 & 44046:	Drawdown from current location = 1.06 ft Drawdown from proposed location = 2.50 ft Net drawdown = 1.4 ft
Domestic 24-27-32:	Drawdown from current location = 1.77 ft Drawdown from proposed location = 3.58 ft Net drawdown = 1.8 ft

Net drawdown does not exceed the drawdown allowance of 4.0 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\3652\3652 Current.aqt

Date: 08/12/22

Time: 15:50:09

PROJECT INFORMATION

Company: GMD 3

Project: 3652

Location: Haskell County

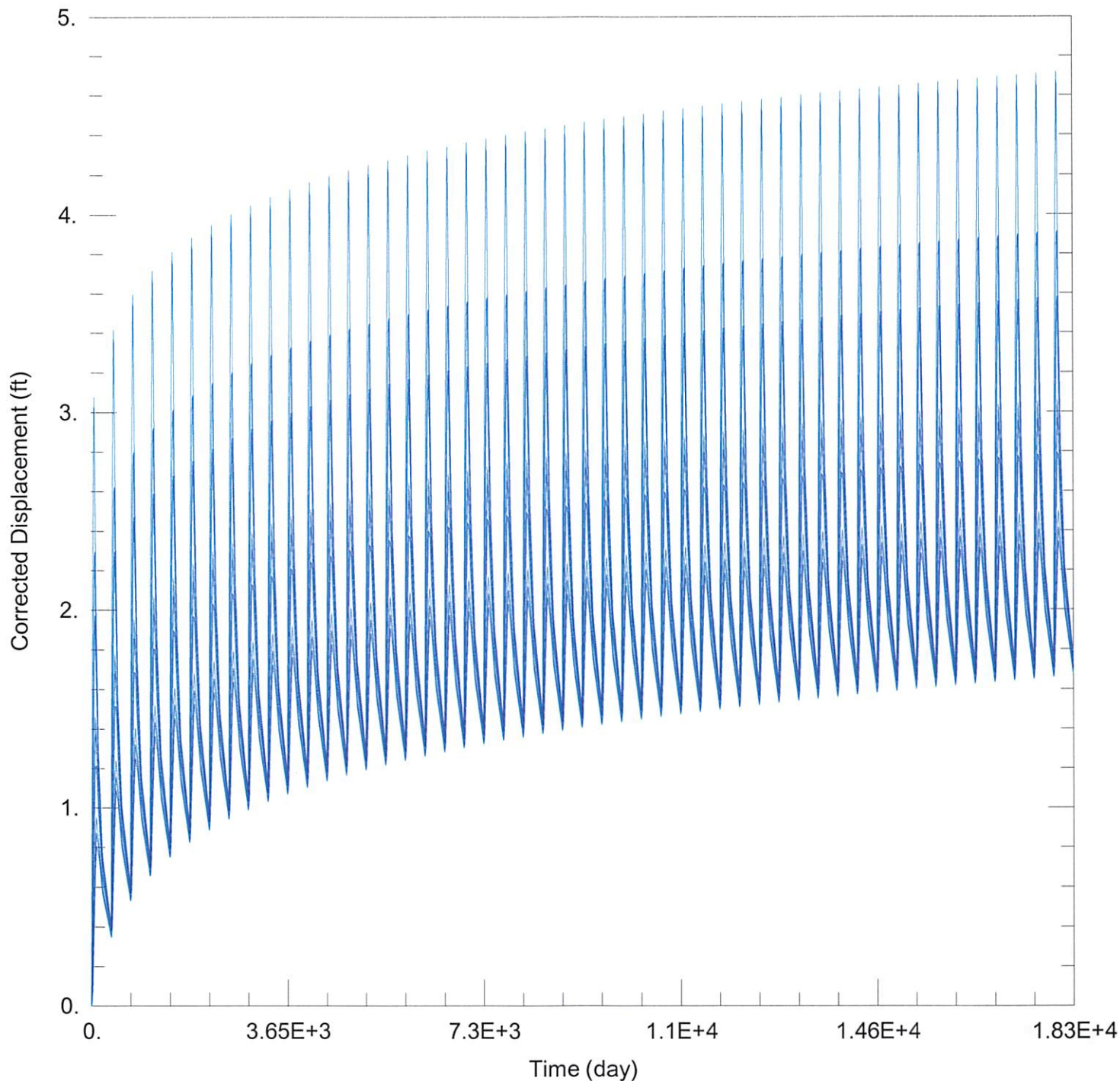
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
3652	6581	297907

Observation Wells

Well Name	X (ft)	Y (ft)
□	6581	297907



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\3652\3652 Proposed.aqt

Date: 08/12/22

Time: 15:50:02

PROJECT INFORMATION

Company: GMD 3

Project: 3652

Location: Haskell County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
3652	7762	297875

Observation Wells

Well Name	X (ft)	Y (ft)
□	7762	297875