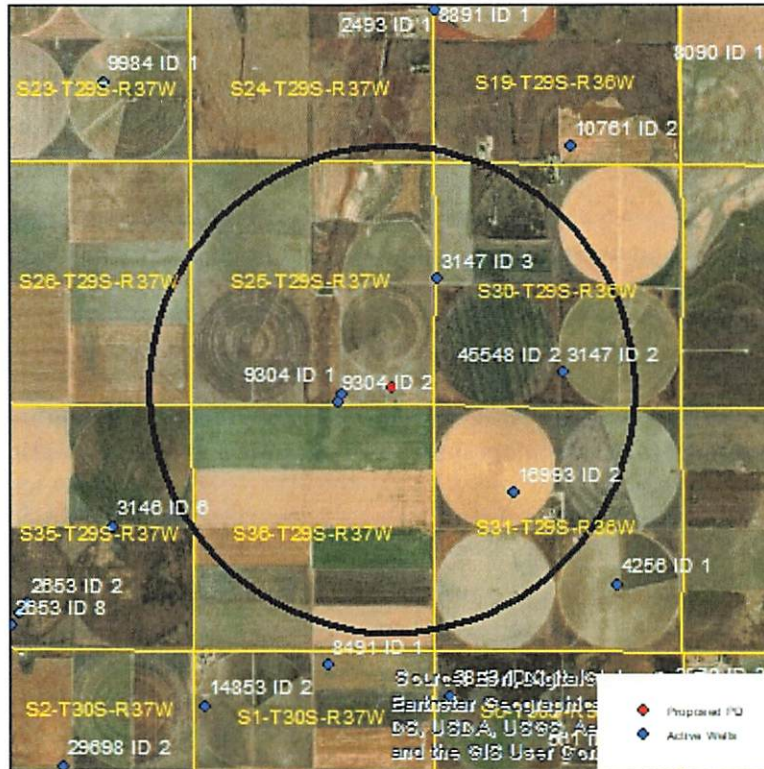


Evaluation of proposed move for Water Right No. 9304

Proposed: Move water right no. 9304 ID1 to a new well location, a distance of 1,107 ft to the northeast.



Wells within 1 mile: 9304 ID2, 3147, 3147 & 66261, and 16993.

The saturated thickness at the proposed well location is estimated to be 210 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:

$S = 0.07937$, $T = 6974.4 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 120 \text{ days}$ (assumed), $Q_{\text{current}} = 38 \text{ gpm}$ (based on average use and assumed 120 days of operation), $tp_{\text{proposed}} = 316 \text{ days}$, $Q_{\text{proposed}} = 100 \text{ gpm}$

Theis drawdowns were calculated as follows:

9304 ID2:	Drawdown from current location = 0.64 ft
	Drawdown from proposed location = 1.57 ft
	Net drawdown = 0.9 ft
3147:	Drawdown from current location = 0.20 ft
	Drawdown from proposed location = 1.25 ft
	Net drawdown = 1.0 ft

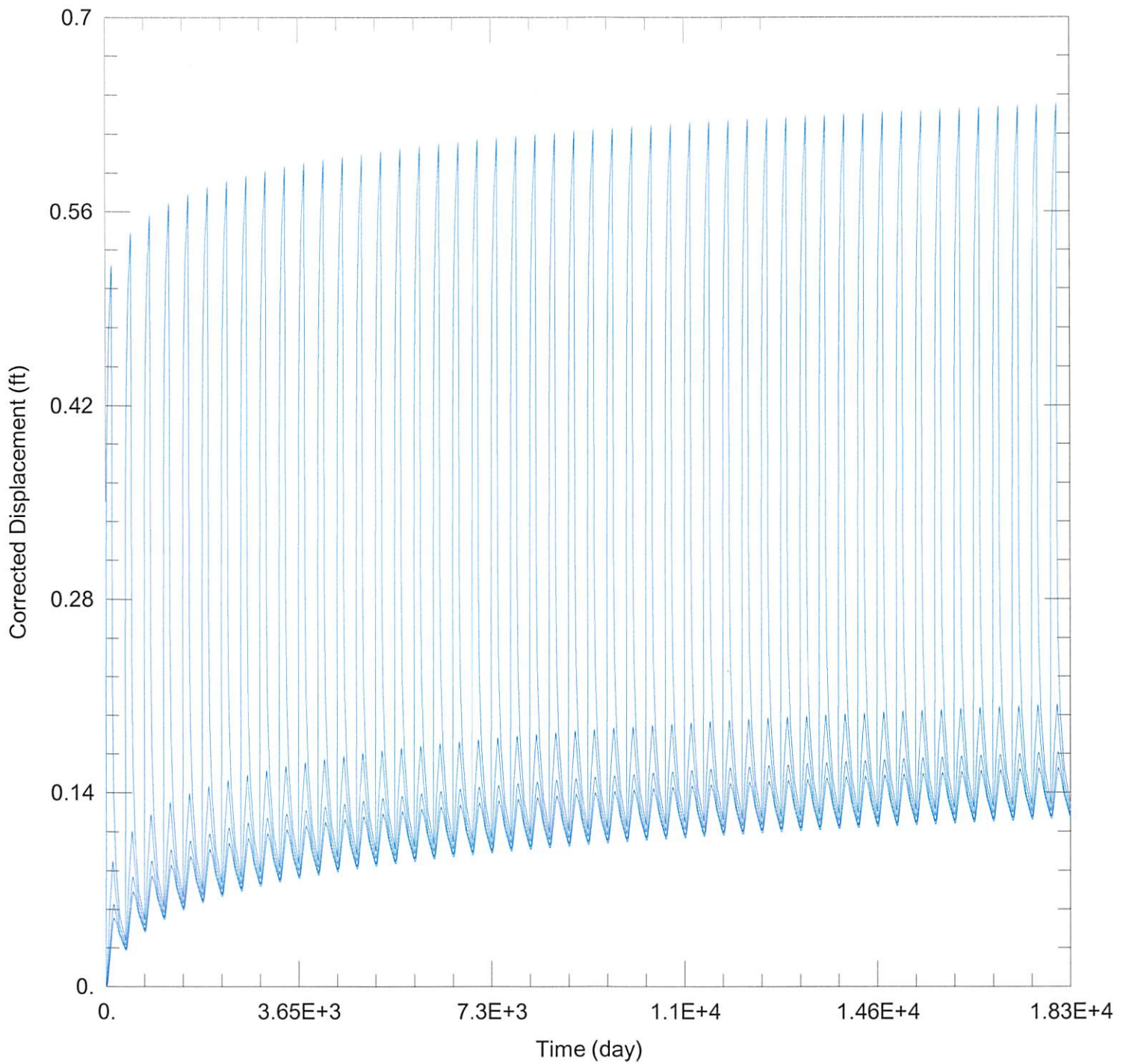
3147 & 66261: Drawdown from current location = 0.16 ft
Drawdown from proposed location = 1.09 ft
Net drawdown = **0.9 ft**

16993: Drawdown from current location = 0.17 ft
Drawdown from proposed location = 1.12 ft
Net drawdown = **1.0 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\9304\9304 Current.aqt

Date: 09/06/22

Time: 11:03:24

PROJECT INFORMATION

Company: GMD 3

Project: 9304

Location: Grant County

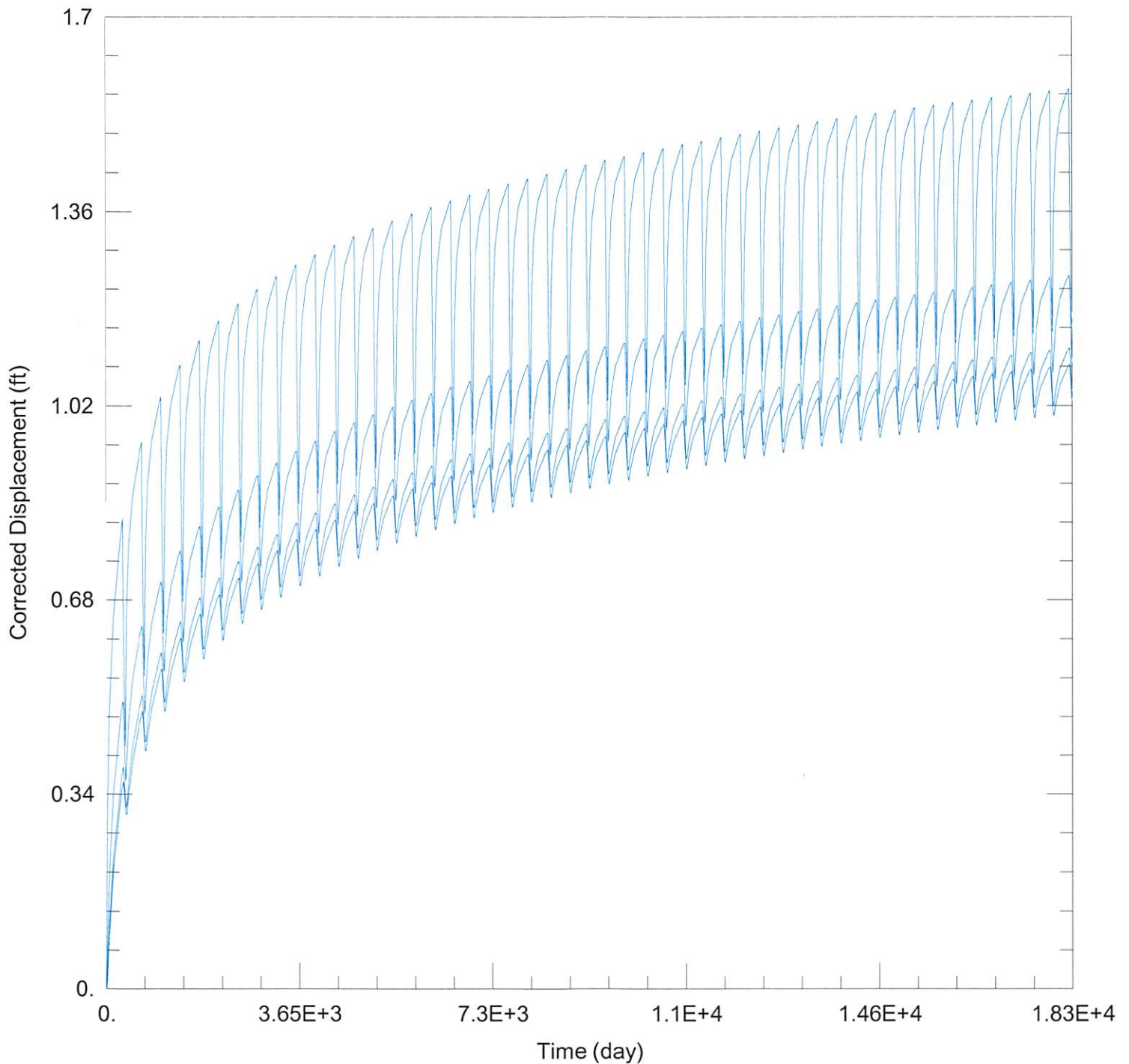
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
9304 ID1	-149527	224345

Observation Wells

Well Name	X (ft)	Y (ft)
□	-149527	224345



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\9304\9304 Proposed.aqt

Date: 09/06/22

Time: 11:03:18

PROJECT INFORMATION

Company: GMD 3

Project: 9304

Location: Grant County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
9304 ID1	-148424	224441

Observation Wells

Well Name	X (ft)	Y (ft)
□ 9304 ID2	-148424	224441