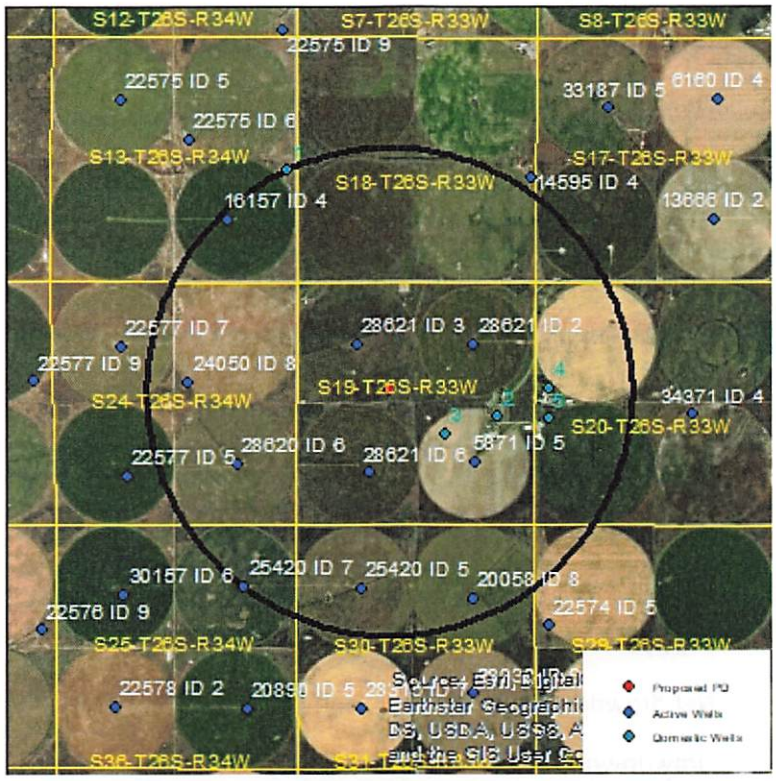
Evaluation of proposed move for Water Right No. 28621 D2 ID3

Proposed: Move water right no. 28621 D2 ID3 to a new well location, a distance of 1,235 ft to the southeast.



Wells within 1 mile: 16157, 25050, 28620, 28621 ID2, 28621 ID6, 5871, 25420 ID7, 25420 ID5, 20058, and five domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 202 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 = 0.1157, T = 15,866 ft^2/day, $tp_{current}$ = 85 days, $Q_{current}$ = 60 gpm, $tp_{proposed}$ = 63 days, $Q_{proposed}$ = 935 gpm

Theis drawdowns were calculated as follows:

16157: Drawdown from current location = 0.11 ft

Drawdown from proposed location = 1.05 ft

Net drawdown = **0.9 ft**

25050: Drawdown from current location = 0.11 ft

Drawdown from proposed location = 1.17 ft

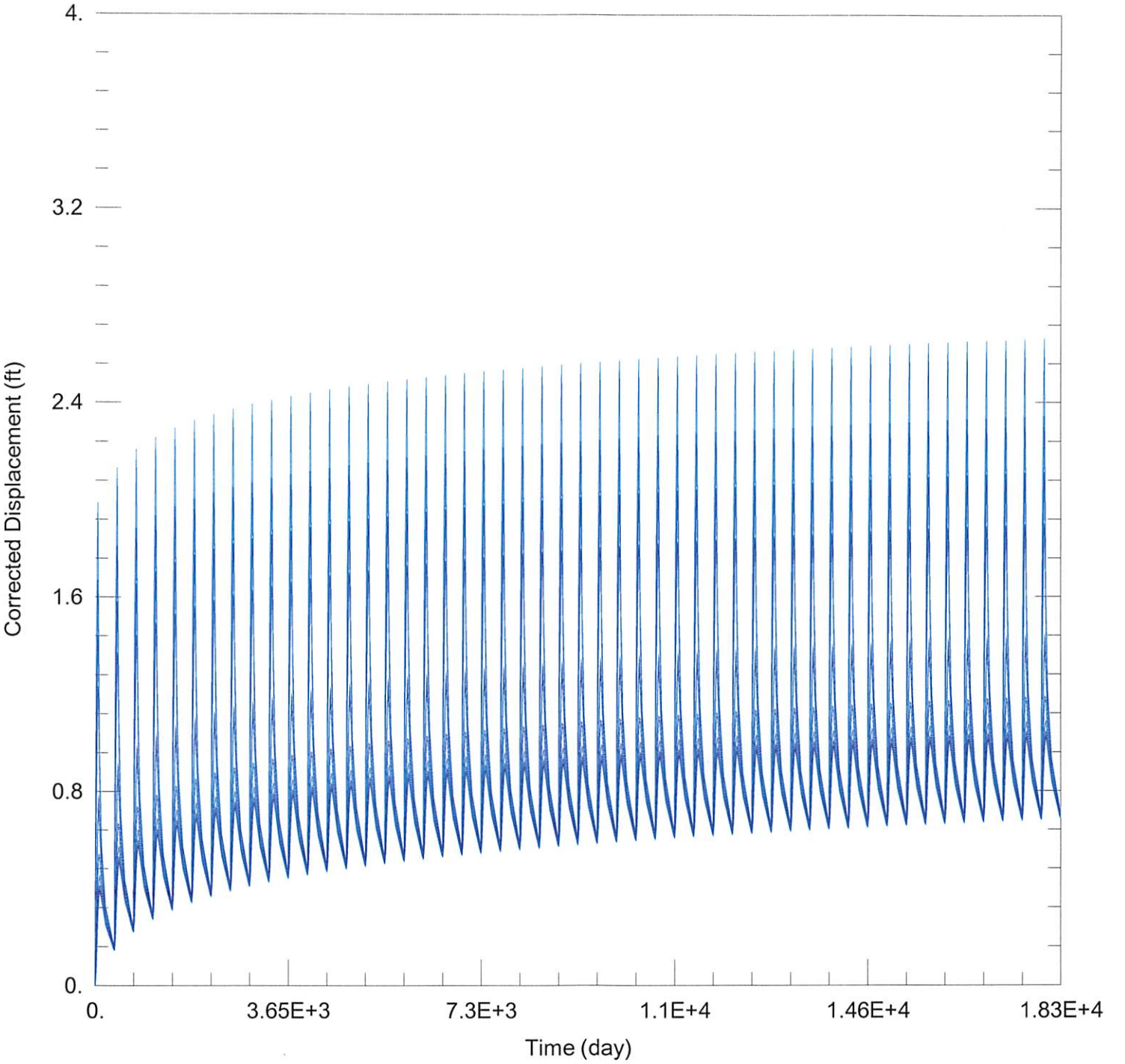
Net drawdown = **1.1 ft**

Domestic 3:	Drawdown from current location = 0.14 ft
	Drawdown from proposed location = 2.67 ft
	Net drawdown = **2.5 ft**
Domestic 4:	Drawdown from current location = 0.10 ft
	Drawdown from proposed location = 1.44 ft
	Net drawdown = **1.3 ft**
Domestic 5:	Drawdown from current location = 0.10 ft
	Drawdown from proposed location = 1.43 ft
	Net drawdown = **1.3 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\2023_moves\28621\28621 proposed.aqt
Date: 06/14/23 Time: 14:18:01

PROJECT INFORMATION

Company: GMD 3
Project: 28621
Location: Finney County

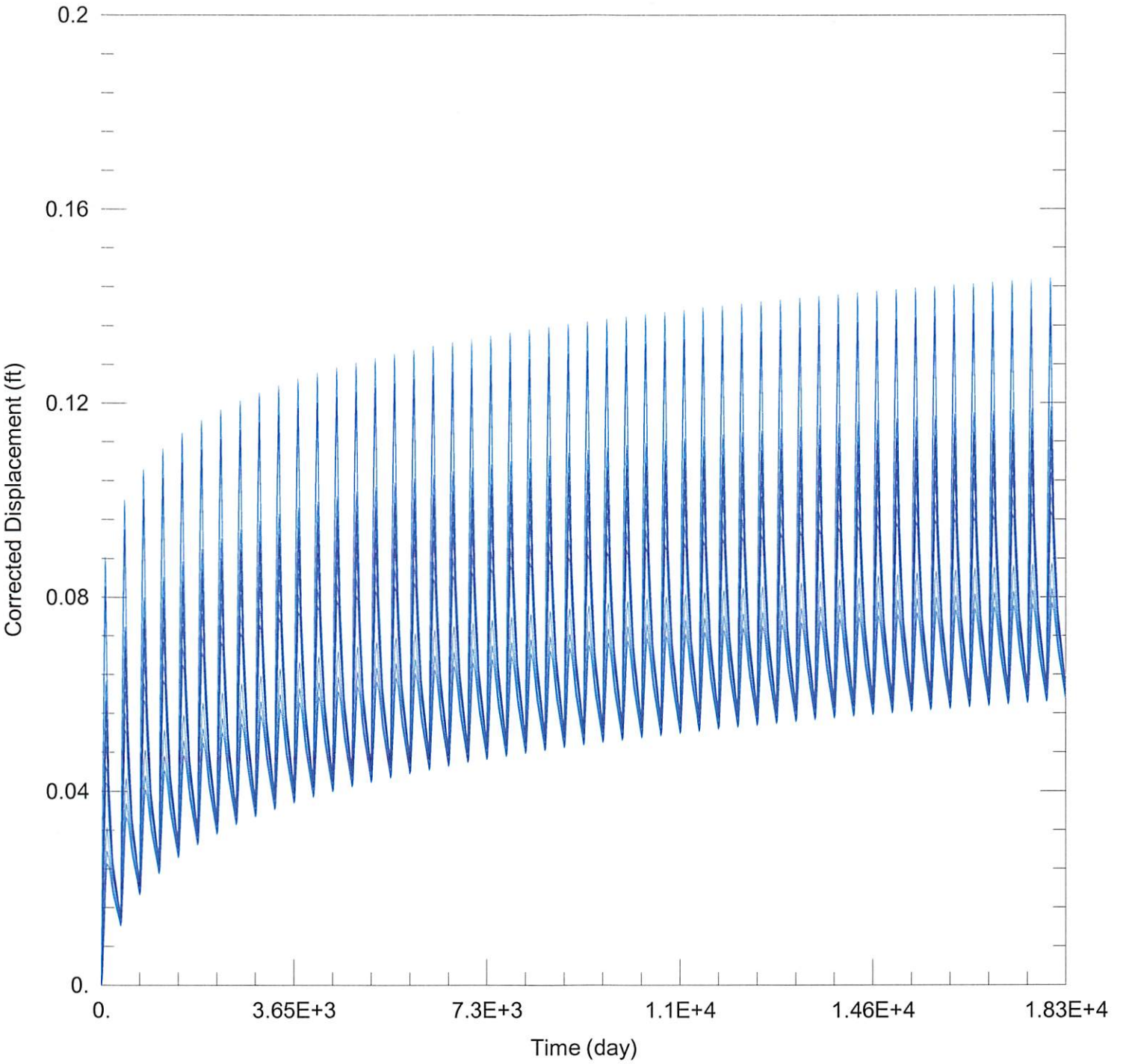
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
28621	-50202	327326

Observation Wells

Well Name	X (ft)	Y (ft)
□	-50202	327326



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023_moves\28621\28621 current.aqt
Date: 06/14/23 Time: 14:18:24

PROJECT INFORMATION

Company: GMD 3
Project: 28621
Location: Finney County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
28621	-50915	328335

Observation Wells

Well Name	X (ft)	Y (ft)
□	-50915	328335