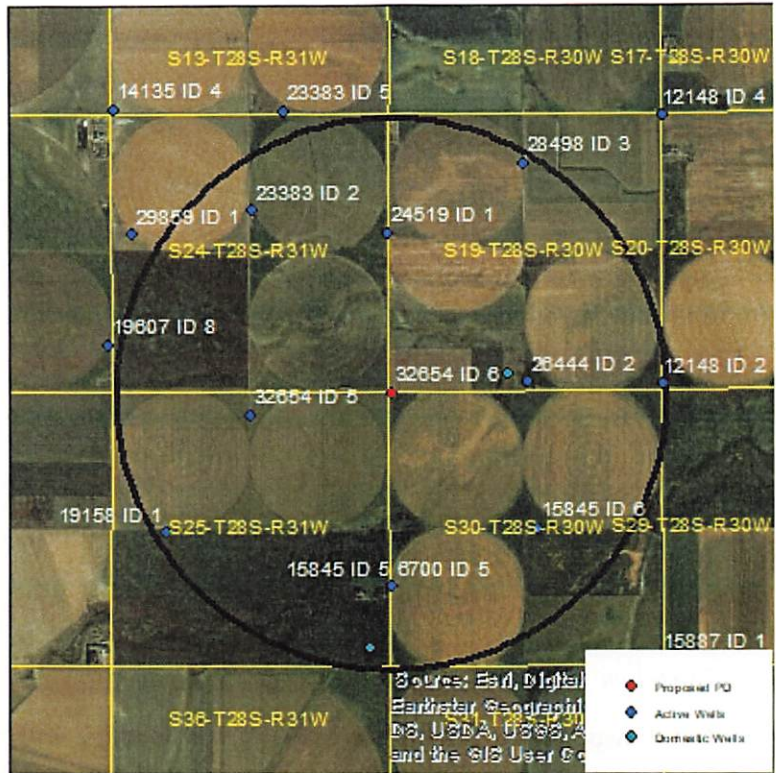


Evaluation of proposed move for Water Right No. 32654

Proposed: Move 31.6 AF of pumping authority from 32654 ID5 to 32654 ID6, 2,733 ft to the northeast.



Wells within 1 mile: 23383, 24519, 28498, 26444, 12148, 19158, 6700 & 15845, 15845, a domestic well in section 19-28-30, and a domestic well in section 25-28-31.

The saturated thickness at the proposed well location is estimated to be 233 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:

$S = 0.2325, T = 9449 \text{ ft}^2/\text{day},$

ID5: $tp_{\text{current}} = 85 \text{ days}, Q_{\text{current}} = 759 \text{ gpm}, tp_{\text{proposed}} = 83 \text{ days}, Q_{\text{proposed}} = 759 \text{ gpm}$

ID6: $tp_{\text{current}} = 93 \text{ days}, Q_{\text{current}} = 405 \text{ gpm}, tp_{\text{proposed}} = 133 \text{ days}, Q_{\text{proposed}} = 405 \text{ gpm}$

Theis drawdowns were calculated as follows:

- 23383: Drawdown from current location = 2.29 ft
- Drawdown from proposed location = 2.57 ft
- Net drawdown = **0.3 ft**

24519: Drawdown from current location = 2.39 ft
Drawdown from proposed location = 2.79 ft
Net drawdown = **0.4 ft**

28498: Drawdown from current location = 1.75 ft
Drawdown from proposed location = 2.05 ft
Net drawdown = **0.3 ft**

26444: Drawdown from current location = 2.32 ft
Drawdown from proposed location = 2.76 ft
Net drawdown = **0.4 ft**

12148: Drawdown from current location = 1.67 ft
Drawdown from proposed location = 1.96 ft
Net drawdown = **0.3 ft**

19158: Drawdown from current location = 2.60 ft
Drawdown from proposed location = 2.83 ft
Net drawdown = **0.2 ft**

6700 & 15845: Drawdown from current location = 2.31 ft
Drawdown from proposed location = 2.63 ft
Net drawdown = **0.3 ft**

15845: Drawdown from current location = 2.02 ft
Drawdown from proposed location = 2.34 ft
Net drawdown = **0.3 ft**

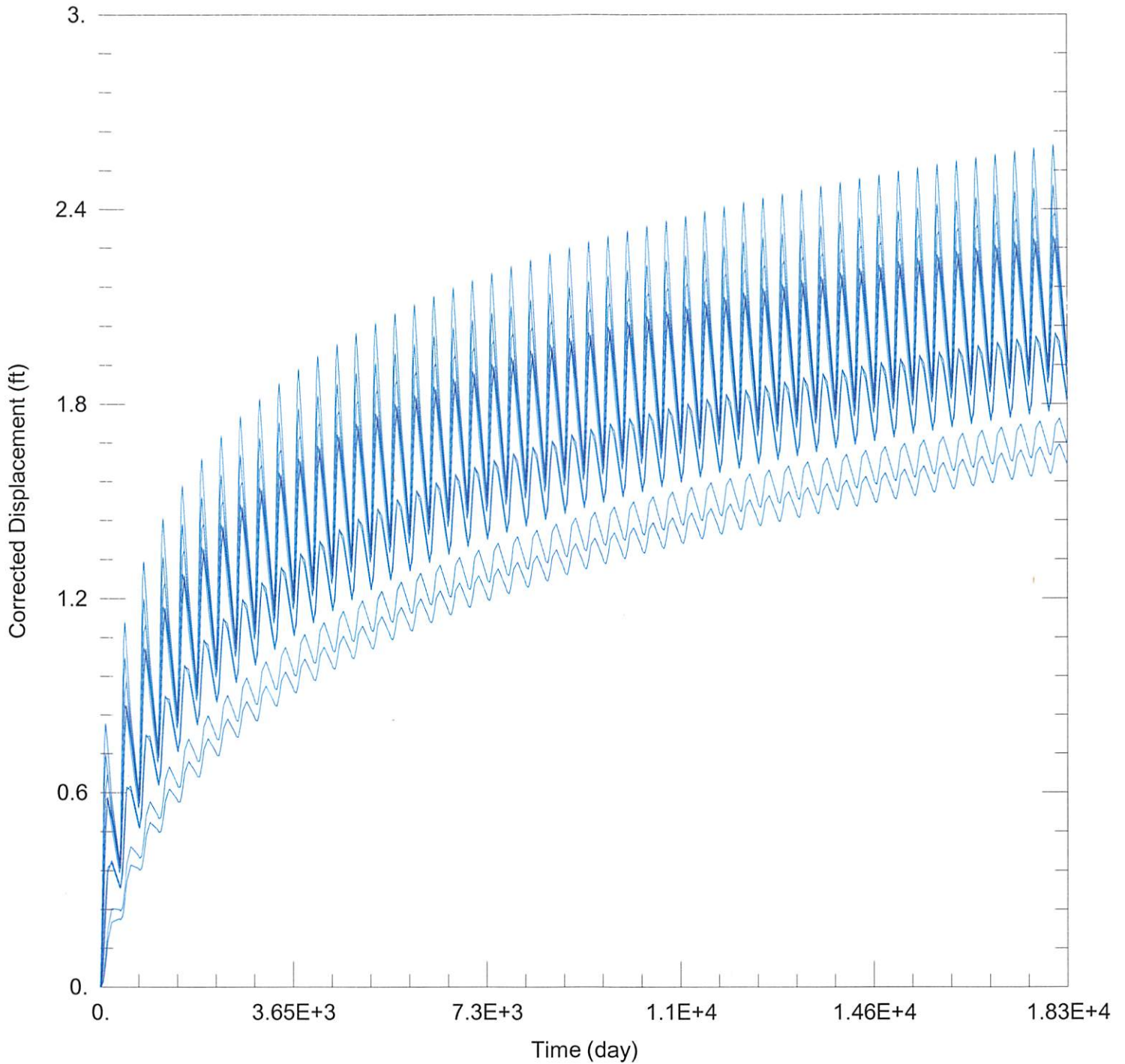
Domestic 19-28-30: Drawdown from current location = 2.47 ft
Drawdown from proposed location = 2.95 ft
Net drawdown = **0.5 ft**

Domestic 25-28-31: Drawdown from current location = 2.02 ft
Drawdown from proposed location = 2.29 ft
Net drawdown = **0.3 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\2022_moves\32654\32654 Current.aqt
 Date: 12/09/22 Time: 16:03:38

PROJECT INFORMATION

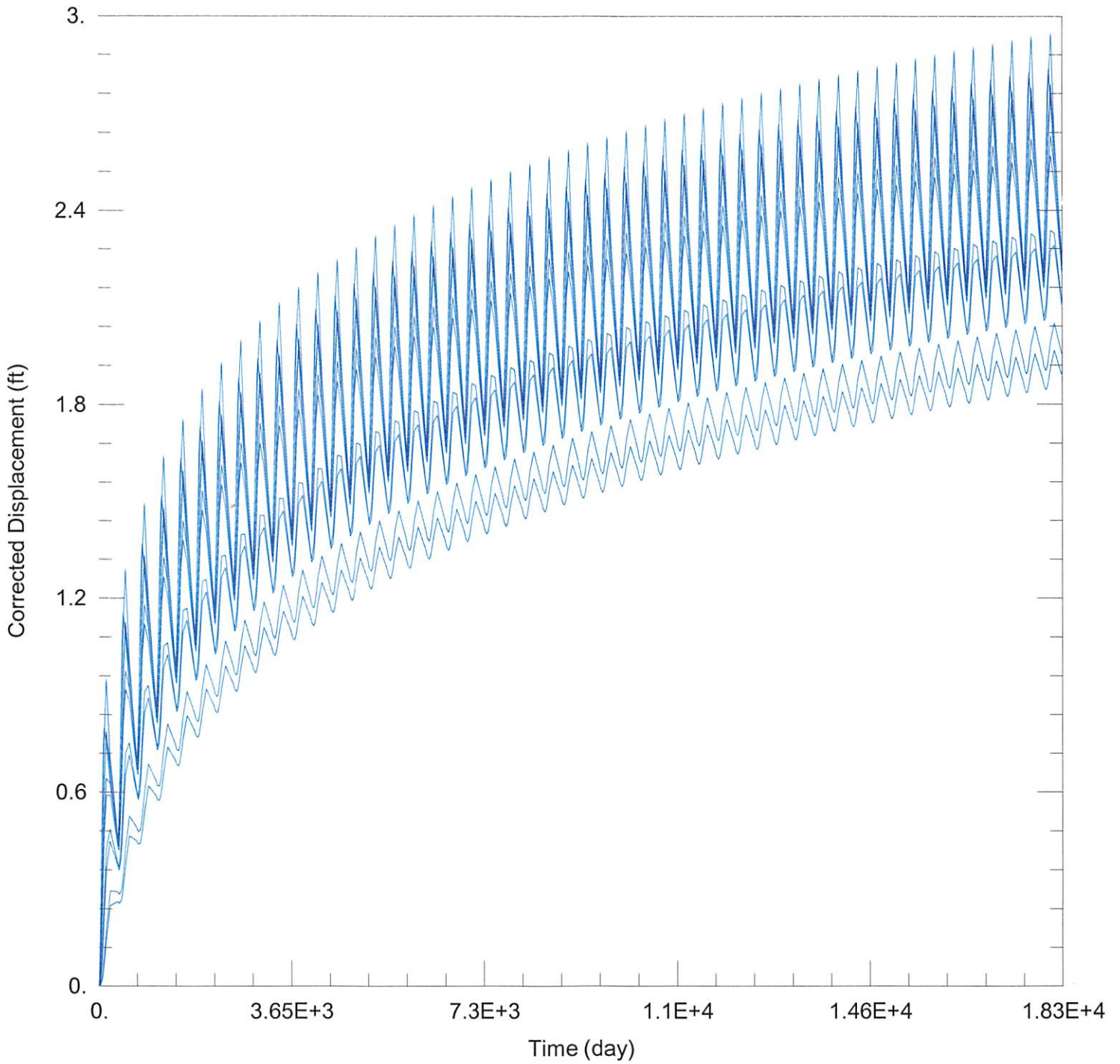
Company: GMD 3
 Project: 32654
 Location: Haskell County

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
	39967	260319	□	39967	260319



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\32654\32654 Proposed.aqt
 Date: 12/09/22 Time: 16:03:29

PROJECT INFORMATION

Company: GMD 3
 Project: 32654
 Location: Haskell County

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
	39967	260319	□	39967	260319