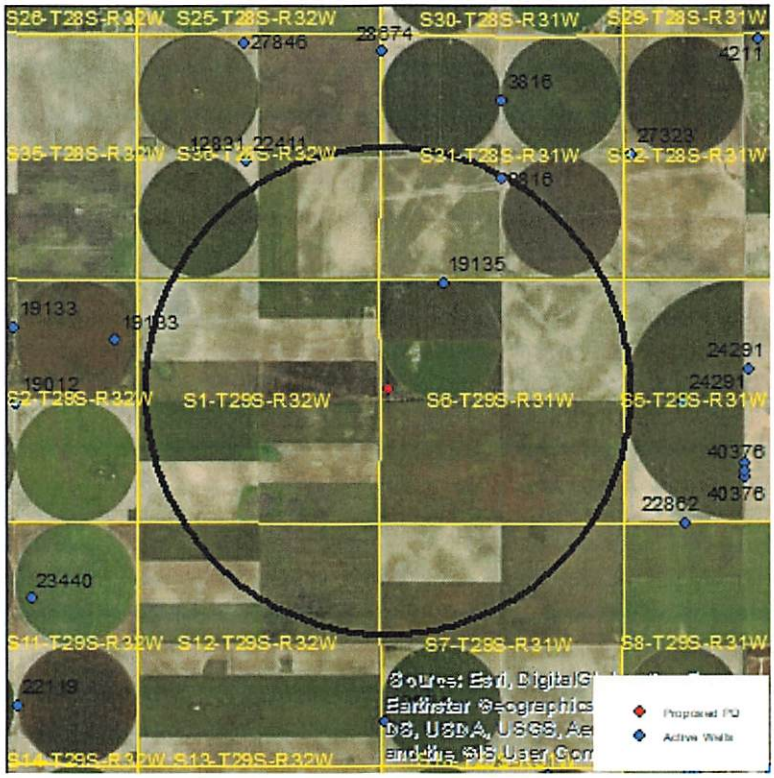
Evaluation of proposed move for Water Right No. 19135

Proposed: Move water right no. 19135 to a new well location, a distance of 2,628 ft to the southwest.



Wells within 1 mile: 3816.

The saturated thickness at the proposed well location is estimated to be 225 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 = 0.2076, T = 9140 ft^2/day, $tp_{current}$ = 60 days (based on average use and observed rate), $Q_{current}$ = 391 gpm (based on 2018 field inspection), $tp_{proposed}$ = 46 days, $Q_{proposed}$ = 1800 gpm

Theis drawdowns were calculated as follows:

3816: Drawdown from current location = 0.55 ft

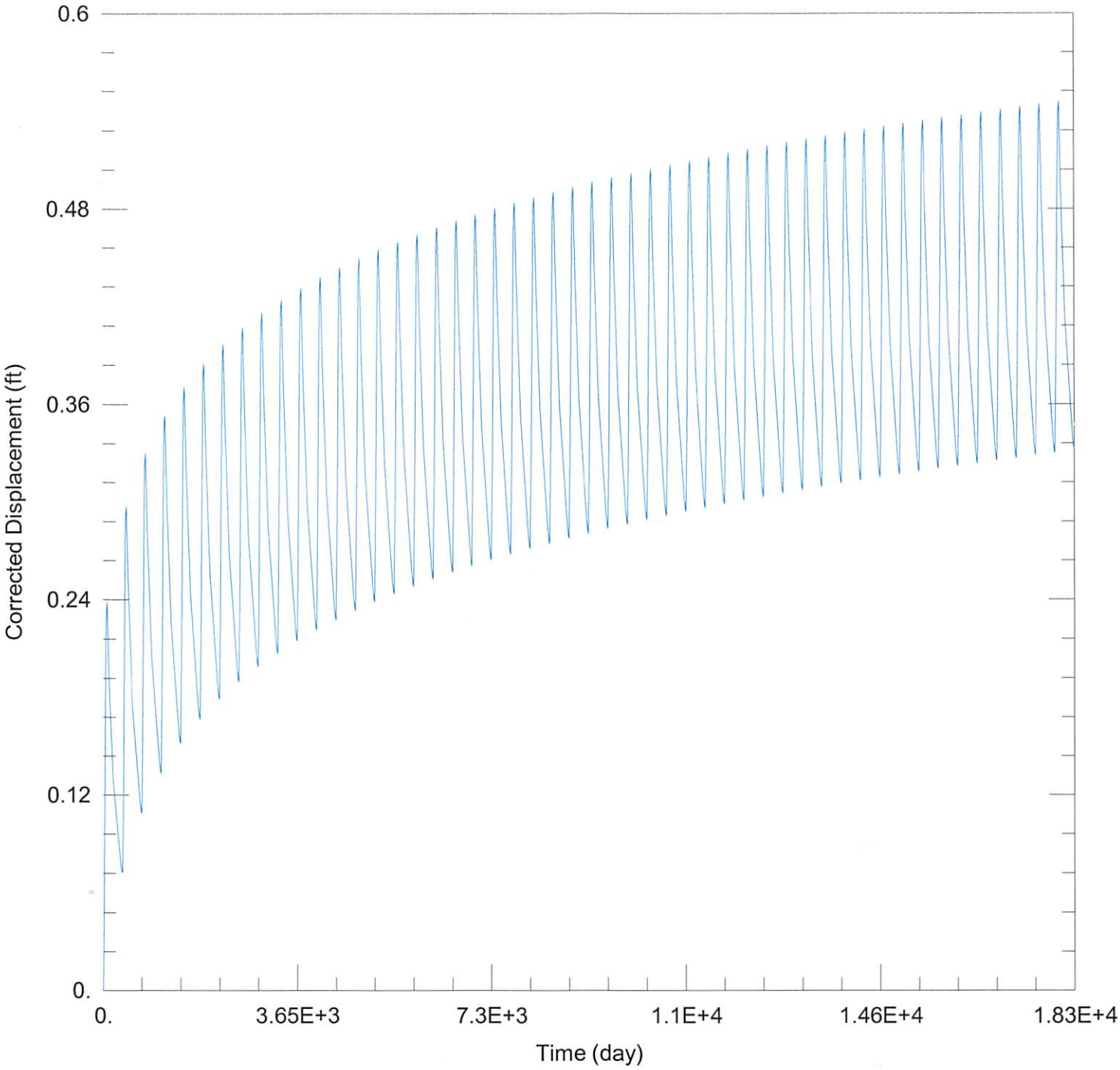
Drawdown from proposed location = 1.68 ft

Net drawdown = **1.1 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\19135\19135 Current.aqt
Date: 11/04/22 Time: 14:55:36

PROJECT INFORMATION

Company: GMD 3
Project: 19135
Location: Haskell County

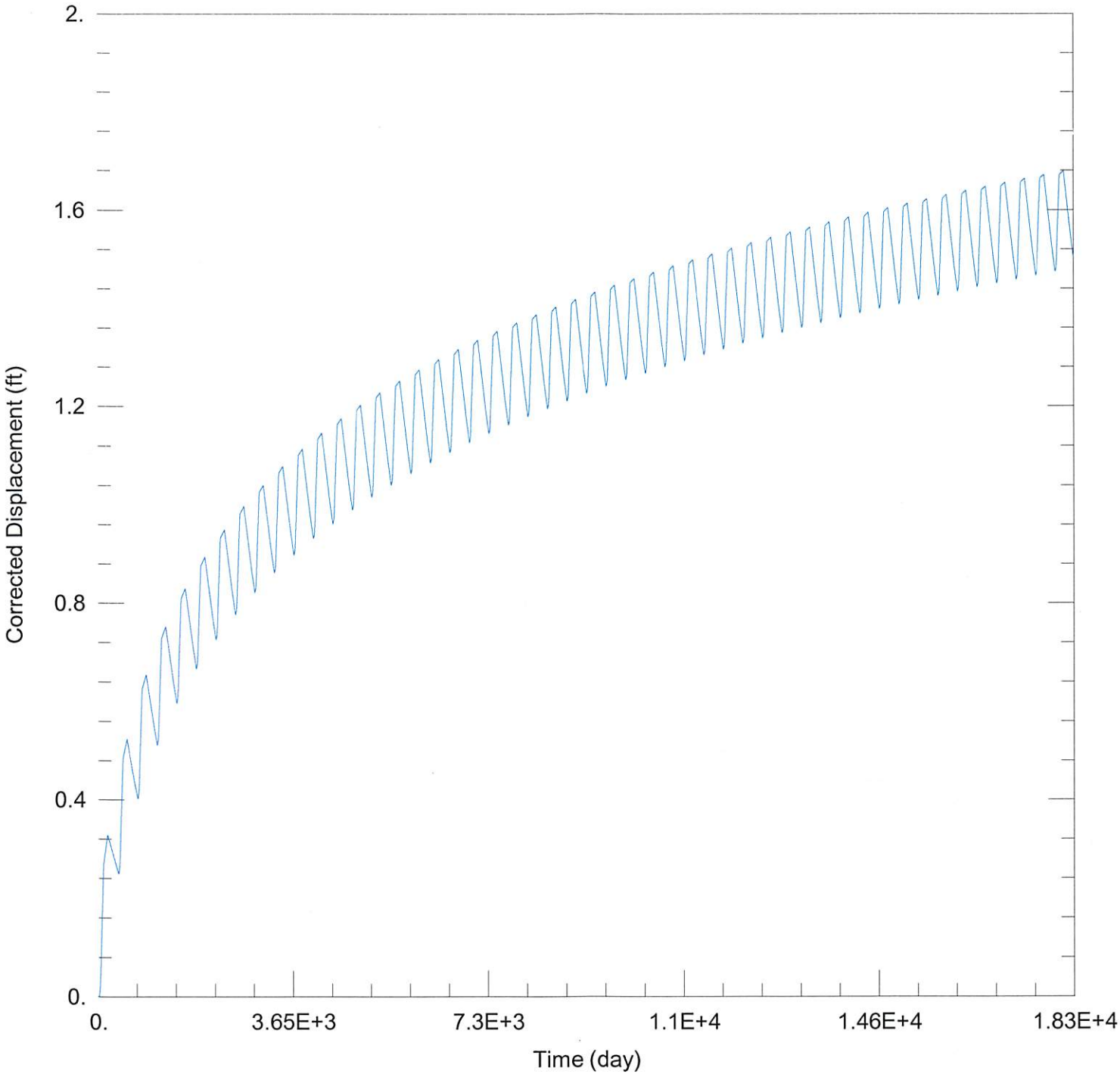
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
19135	12274	250093

Observation Wells

Well Name	X (ft)	Y (ft)
□	12274	250093



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\19135\19135 Proposed.aqt
Date: 11/04/22 Time: 14:55:29

PROJECT INFORMATION

Company: GMD 3
Project: 19135
Location: Haskell County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
19135	11060	247762

Observation Wells

Well Name	X (ft)	Y (ft)
□	11060	247762