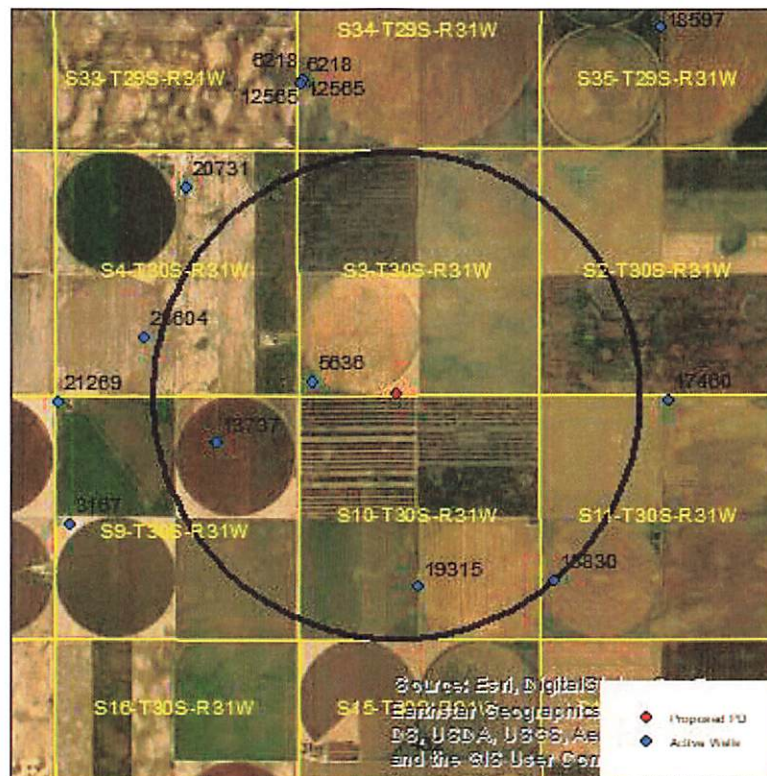


Evaluation of proposed move for Water Right No. 5636

Proposed: Move water right no. 5636 to a new well location, a distance of 1,836 ft to the southeast.



Wells within 1 mile: 13737, 19315, and 13830.

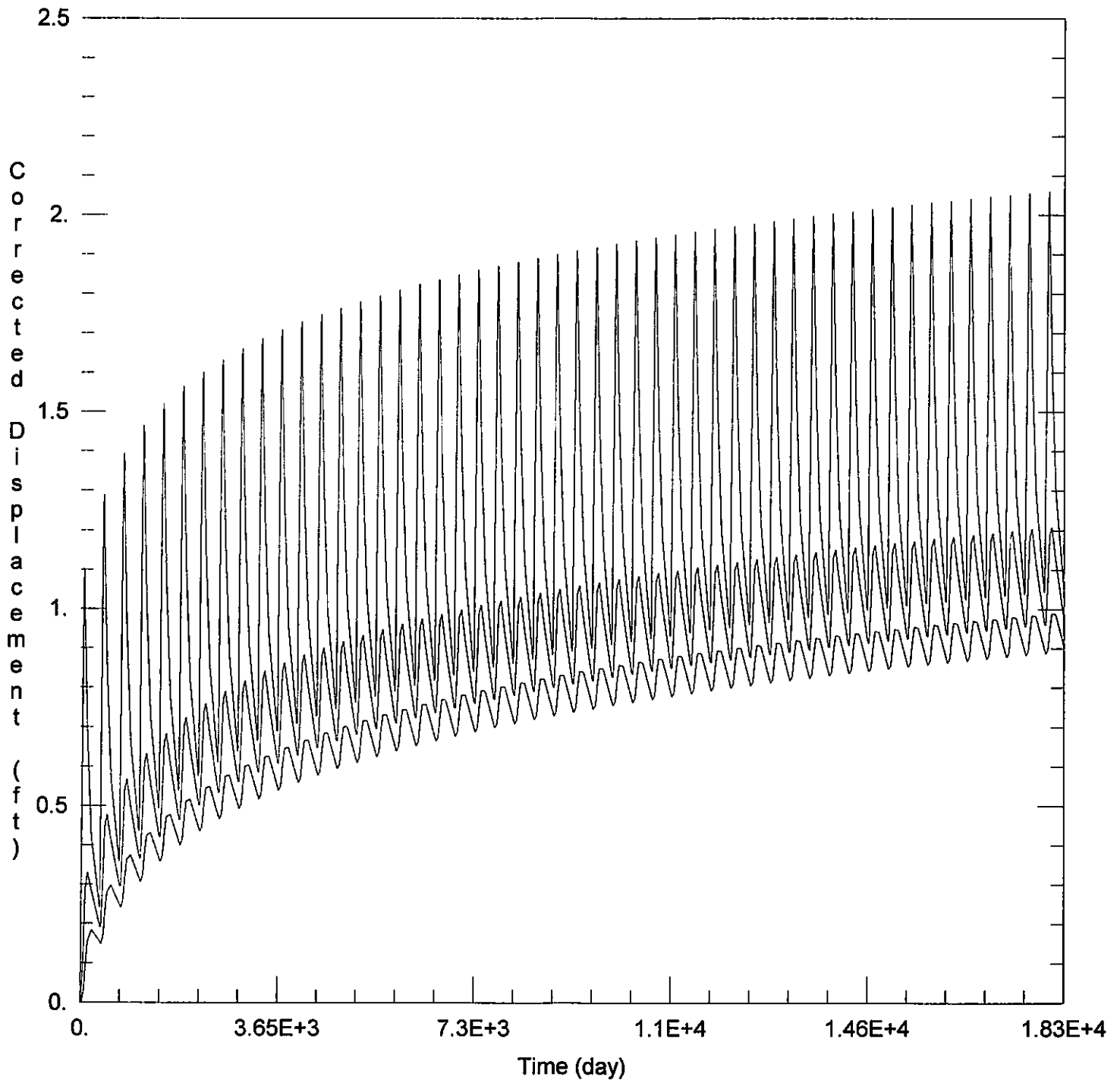
The saturated thickness at the proposed well location is estimated to be 152 ft, based upon the GMD3 model. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

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

$S = 0.1372$, $T = 9490 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 74 \text{ days}$ (based on average use and observed rate),
 $Q_{\text{current}} = 700 \text{ gpm}$ (based on 2017 water use report), $tp_{\text{proposed}} = 63 \text{ days}$, $Q_{\text{proposed}} = 1150 \text{ gpm}$

Theis drawdowns were calculated as follows:

13737:	Drawdown from current location = 2.06 ft
	Drawdown from proposed location = 1.98 ft
	Net drawdown = -0.1 ft
19315:	Drawdown from current location = 1.21 ft
	Drawdown from proposed location = 1.92 ft
	Net drawdown = 0.7 ft



WELL TEST ANALYSIS

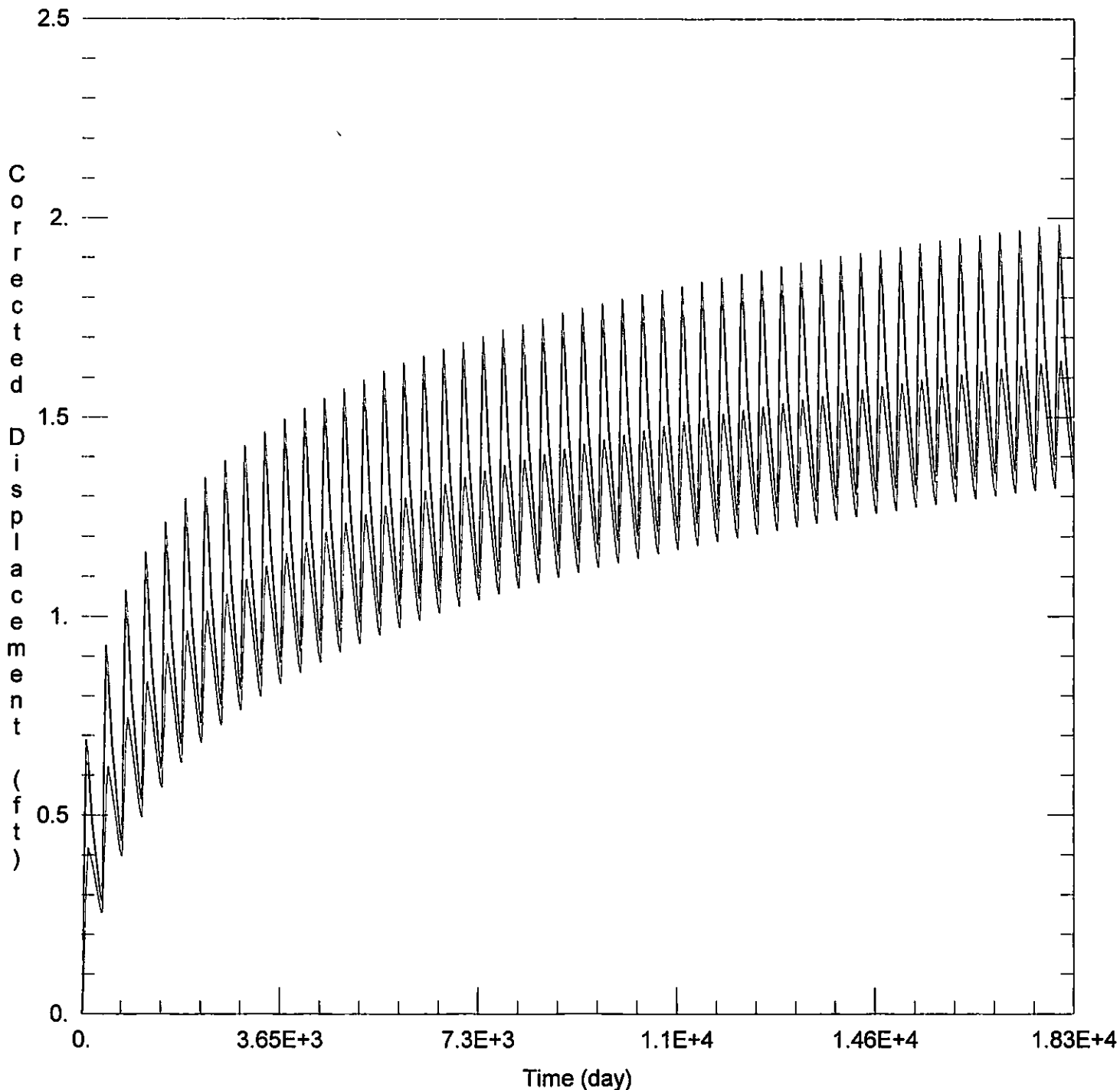
Data Set: C:\Users\trevora\Documents\2024_moves\5636\5636 Current.aqt
 Date: 02/23/24 Time: 14:06:32

PROJECT INFORMATION

Company: GMD 3
 Project: 5636
 Location: Haskell County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
5636	27094	213388	□	27094	213388
			□ 13737	25005	212068



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2024_moves\5636\5636 Proposed.aqt

Date: 02/23/24

Time: 14:06:27

PROJECT INFORMATION

Company: GMD 3

Project: 5636

Location: Haskell County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
5636	28908	213105

Observation Wells

Well Name	X (ft)	Y (ft)
□	28908	213105
□ 13737	25005	212068