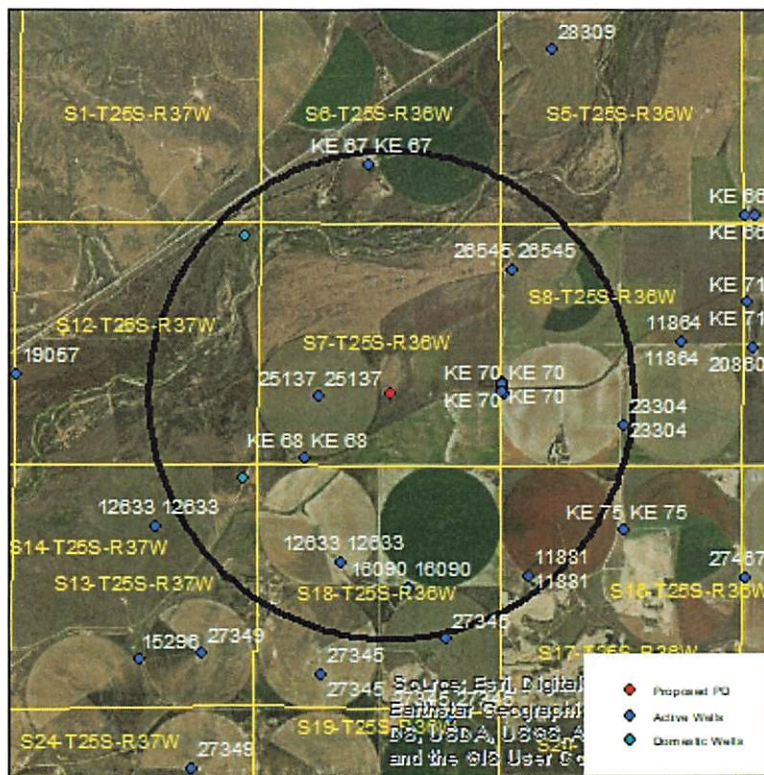


## Evaluation of proposed move for Water Right No. KE 68

Proposed: Move water right no. KE 68 to a new well location, a distance of 2,328 ft to the northeast.



Wells within 1 mile: 25137, KE 67, 28545, KE 70, 23304, 12633, 16090, 11881, a domestic well in section 12-25-37, and a domestic well in section 13-25-37.

The saturated thickness at the proposed well location is estimated to be 280 ft, based upon the driller's log and an observation well in section 12-25-37. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

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

$S = 0.2823$ ,  $T = 23,666 \text{ ft}^2/\text{day}$ ,  $t_{p\text{current}} = 0 \text{ days}$  (well is coming out of CRP),  $Q_{\text{current}} = 0 \text{ gpm}$ ,  
 $t_{p\text{proposed}} = 55 \text{ days}$ ,  $Q_{\text{proposed}} = 2002 \text{ gpm}$

These drawdowns were calculated as follows:

25137:	Net drawdown = <b>2.9 ft</b>
KE 67:	Net drawdown = <b>1.1 ft</b>
28545:	Net drawdown = <b>1.4 ft</b>
KE 70:	Net drawdown = <b>2.0 ft</b>
23304:	Net drawdown = <b>1.1 ft</b>
12633:	Net drawdown = <b>1.4 ft</b>

16090: Net drawdown = **1.3 ft**

11881: Net drawdown = **1.1 ft**

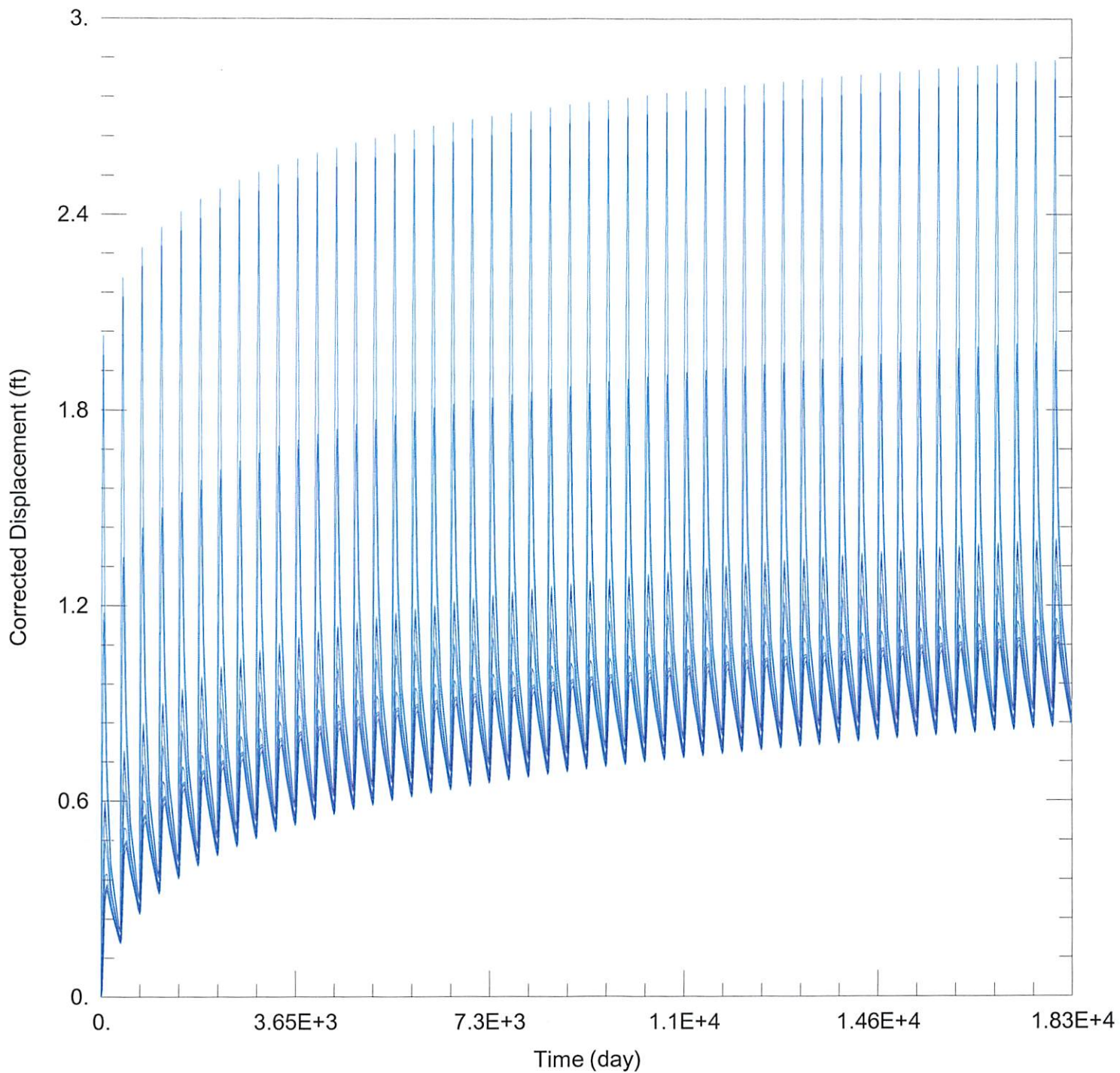
Domestic 12-25-37: Net drawdown = **1.2 ft**

Domestic 13-25-37: Net drawdown = **1.4 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\KE\_68\KE 68 Proposed.aqt

Date: 02/01/23

Time: 11:56:50

PROJECT INFORMATION

Company: GMD 3

Project: KE 68

Location: Kearny County

WELL DATA

Pumping Wells

Observation Wells

Well Name	X (ft)	Y (ft)
KE 68	-147993	370092

Well Name	X (ft)	Y (ft)
□	-147993	370092