



24273: Drawdown from current location = 2.03 ft  
Drawdown from proposed location = 3.66 ft  
Drawdown allowance = 2.5 ft  
Net drawdown = **1.6 ft**

14101: Drawdown from current location = 2.26 ft  
Drawdown from proposed location = 3.91 ft  
Drawdown allowance = 2.5 ft  
Net drawdown = **1.7 ft**

19809: Drawdown from current location = 2.27 ft  
Drawdown from proposed location = 3.27 ft  
Drawdown allowance = 2.5 ft  
Net drawdown = **1.0 ft**

21455: Drawdown from current location = 2.08 ft  
Drawdown from proposed location = 3.29 ft  
Drawdown allowance = 2.5 ft  
Net drawdown = **1.2 ft**

Domestic NW 12-27-29: Drawdown from current location = 2.72 ft  
Drawdown from proposed location = 3.63 ft  
Drawdown allowance = 2.0 ft  
Net drawdown = **0.9 ft**

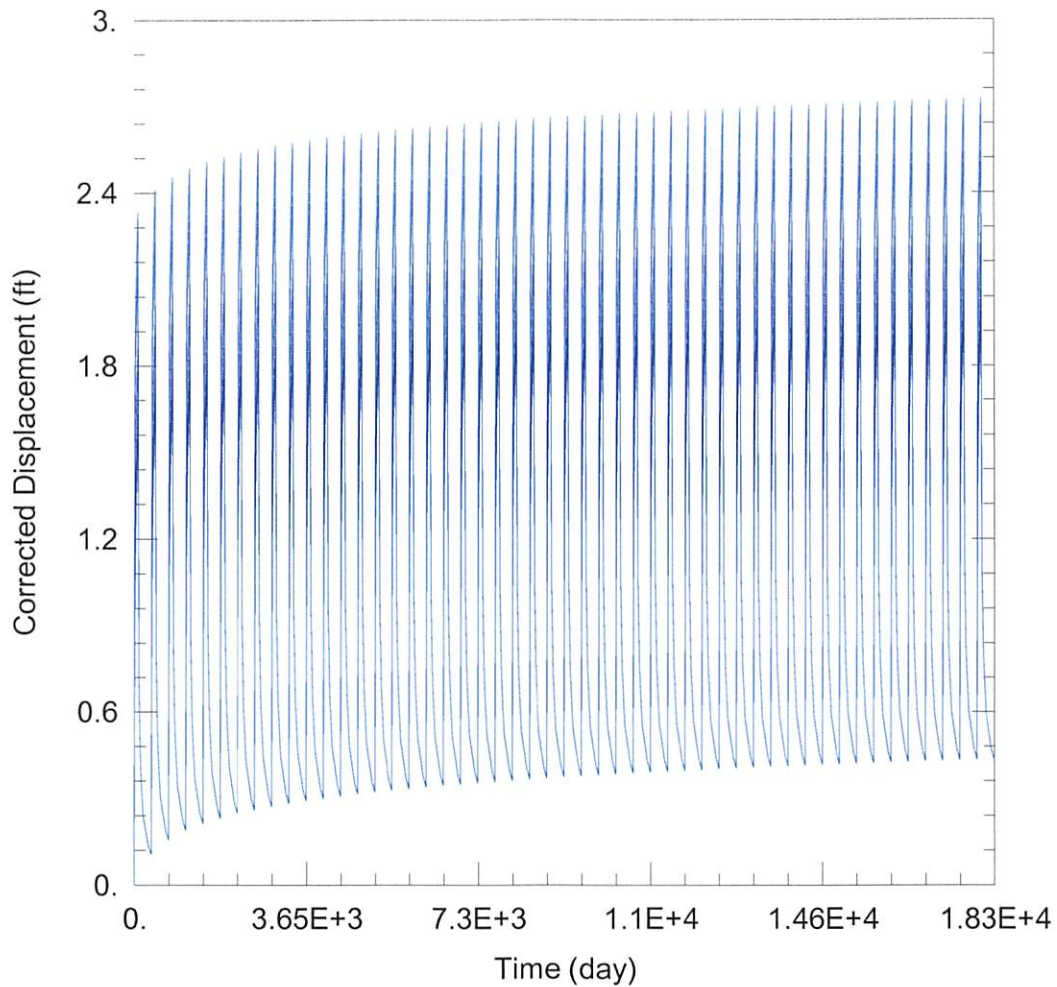
Domestic SW 12-27-29: Drawdown from current location = 2.56 ft  
Drawdown from proposed location = 4.49 ft  
Drawdown allowance = 2.0 ft  
Net drawdown = **1.9 ft**

Domestic 13-27-29: Drawdown from current location = 1.97 ft  
Drawdown from proposed location = 3.32 ft  
Drawdown allowance = 2.5 ft  
Net drawdown = **1.3 ft**

No effects on neighboring wells exceed the drawdown allowance. Therefore, critical well analysis is not necessary.

**Conclusion:**

The proposed move is likely to create minimal effects on neighboring wells. GMD3 staff recommends approval of this proposal.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\14550\14550 Current.aqt  
 Date: 04/15/21 Time: 16:11:42

PROJECT INFORMATION

Company: GMD 3  
 Project: 14550  
 Location: Gray County  
 Test Well: 14550

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
14550	103332	306036

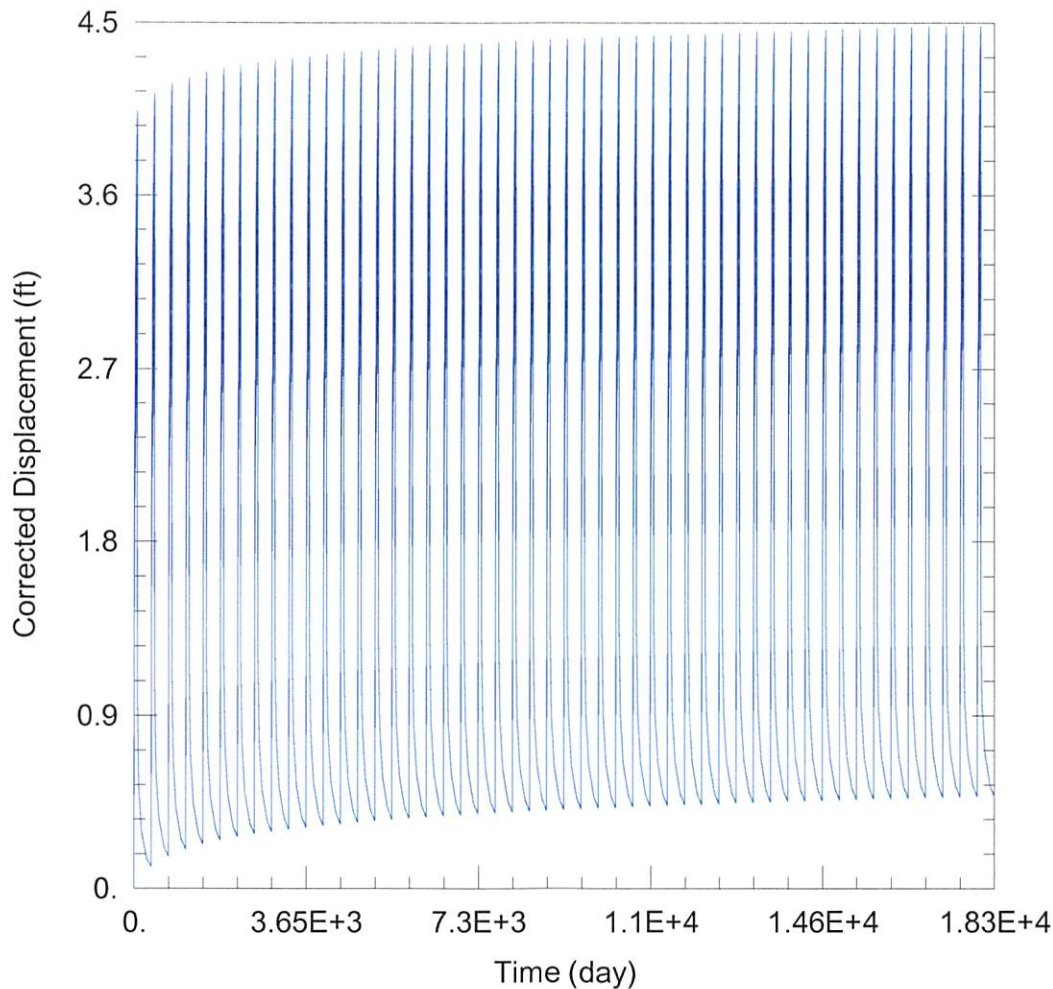
Observation Wells

Well Name	X (ft)	Y (ft)
□	103332	306036
□ <u>21865</u>	99353	304828
□ <u>24273</u>	99390	302025
□ <u>14101</u>	102033	302169
□ <u>19809</u>	104596	302270
□ <u>21455</u>	103042	300851
□ <u>Domestic NW 12-27-29</u>	101556	307181
□ <u>Domestic 13-27-29</u>	100928	300464
□ <u>Domestic SW 12-27-29</u>	100709	305601

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis



### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\14550\14550 Proposed.aqt

Date: 04/15/21

Time: 16:11:36

### PROJECT INFORMATION

Company: GMD 3

Project: 14550

Location: Gray County

Test Well: 14550

### WELL DATA

#### Pumping Wells

Well Name	X (ft)	Y (ft)
14550	101143	304281

#### Observation Wells

Well Name	X (ft)	Y (ft)
□	101143	304281
□ <u>21865</u>	99353	304828
□ <u>24273</u>	99390	302025
□ <u>14101</u>	102033	302169
□ <u>19809</u>	104596	302270
□ <u>21455</u>	103042	300851
□ <u>Domestic 12-27-29</u>	101556	307181
□ <u>Domestic 13-27-29</u>	100928	300464
□ <u>Neighbor Domestic</u>	100709	305601

### SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis