



25146: Drawdown from current location = 1.03 ft  
Drawdown from proposed location = 2.26 ft  
Net drawdown = **1.2 ft**

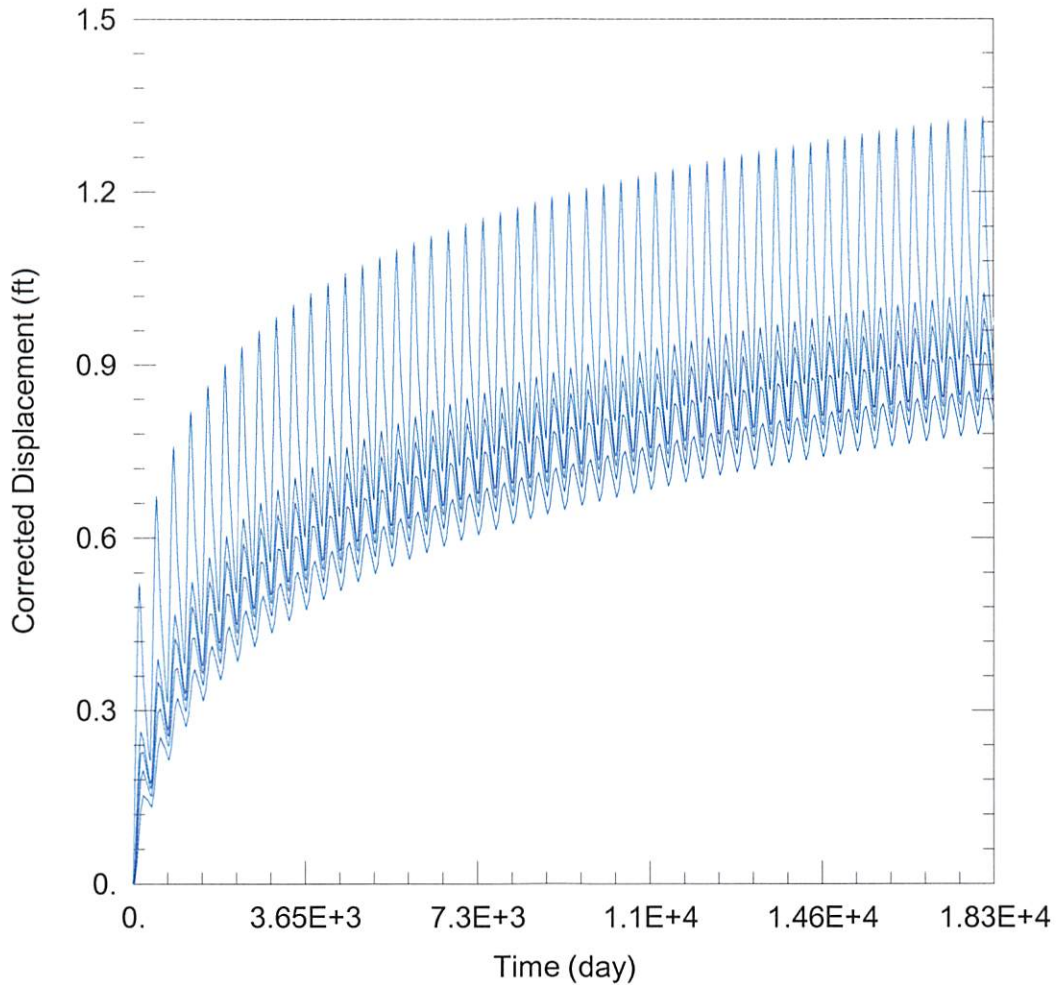
Domestic 21-29-40: Drawdown from current location = 1.33 ft  
Drawdown from proposed location = 2.83 ft  
Net drawdown = **1.5 ft**

Domestic 16-29-40: Drawdown from current location = 0.86 ft  
Drawdown from proposed location = 1.95 ft  
Net drawdown = **1.1 ft**

Net drawdown does not exceed the drawdown allowance of 4.0 ft for any wells within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

**Conclusion:**

Based upon information from the GMD3 model, this proposal will cause minimal effects on neighboring wells, and is unlikely to create an impairment. GMD3 staff recommends approval of the application.



### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\23567\23567 Current.aqt

Date: 07/15/20

Time: 14:04:24

### PROJECT INFORMATION

Company: GMD 3

Project: 23567 ID 1

Location: Stanton County

Test Well: 23567 ID 1

### WELL DATA

#### Pumping Wells

Well Name	X (ft)	Y (ft)
23567 ID1	-263467	233153

#### Observation Wells

Well Name	X (ft)	Y (ft)
□	-263467	233153
□ 23567 ID3	-260772	230382
□ 10487	-259236	232739
□ 25146	-263290	236751
□ Domestic 21-29-40	-263157	235509
□ Domestic 16-29-40	-263241	237967

### SOLUTION

Aquifer Model: Unconfined

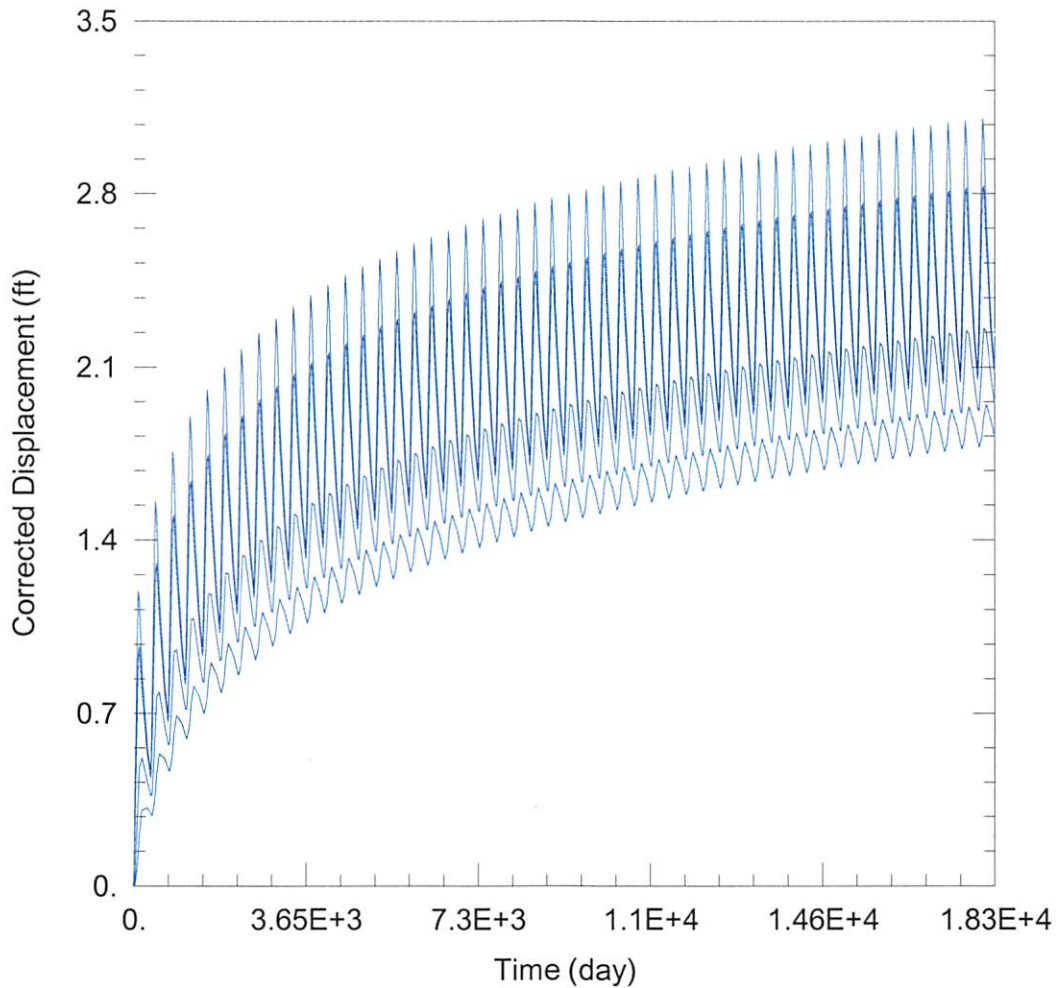
Solution Method: Theis

T = 5269. ft<sup>2</sup>/day

S = 0.1543

Kz/Kr = 1.

b = 225. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\23567\23567 Proposed.aqt

Date: 07/15/20

Time: 14:04:18

PROJECT INFORMATION

Company: GMD 3

Project: 23567 ID 1

Location: Stanton County

Test Well: 23567 ID 1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
23567 ID1	-261713	233072

Observation Wells

Well Name	X (ft)	Y (ft)
□	-261713	233072
□ <u>23567 ID3</u>	-260772	230382
□ <u>10487</u>	-259236	232739
□ <u>25146</u>	-263290	236751
□ <u>Domestic 21-29-40</u>	-263157	235509
□ <u>Domestic 16-29-40</u>	-263241	237967

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

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