

27102: Drawdown from current location = 0.60 ft
Drawdown from proposed location = 3.10 ft
Net drawdown = **2.5 ft**

23710: Drawdown from current location = 0.99ft
Drawdown from proposed location = 2.49 ft
Net drawdown = **1.5 ft**

6881: Drawdown from current location = 0.54 ft
Drawdown from proposed location = 2.35 ft
Net drawdown = **1.8 ft**

Domestic 1: Drawdown from current location = 0.74 ft
Drawdown from proposed location = 2.40 ft
Net drawdown = **1.7 ft**

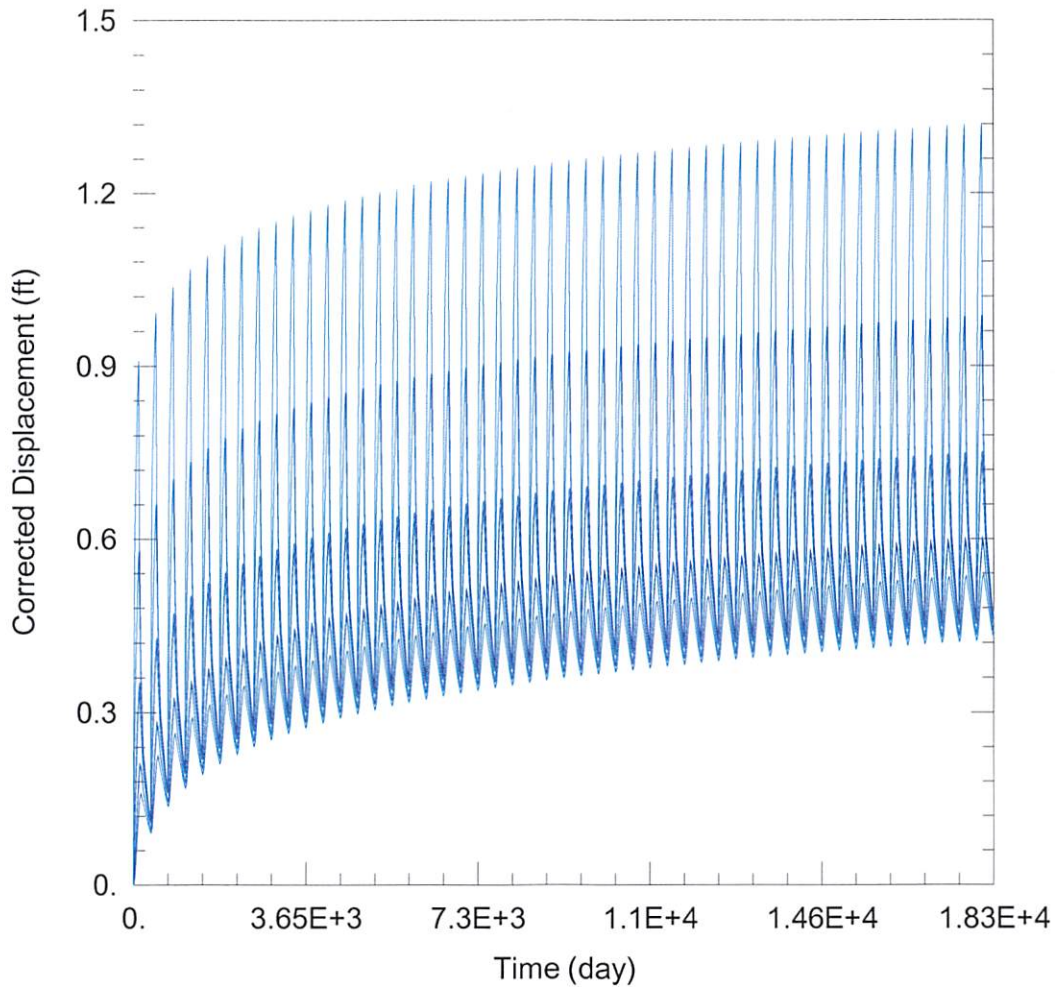
Domestic 2: Drawdown from current location = 1.32 ft
Drawdown from proposed location = 3.60 ft
Net drawdown = **2.3 ft**

Domestic 3: Drawdown from current location = 0.60 ft
Drawdown from proposed location = 2.48 ft
Net drawdown = **1.9 ft**

Net drawdown does not exceed the drawdown allowance of 3.5 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 is unlikely to cause impairment. GMD3 staff recommends approval of this proposal.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\709_8398\709 & 8398 Current.aqt
 Date: 02/03/22 Time: 16:10:59

PROJECT INFORMATION

Company: GMD 3
 Project: 709 & 8398
 Location: Haskell County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
709 & 8398	-20317	196727

Observation Wells

Well Name	X (ft)	Y (ft)
□	-20317	196727
□ 13675 & 13676	-25283	198027
□ 24726	-21477	200049
□ 27102	-22529	192239
□ 23710	-18110	196991
□ 6881	-20700	190737
□ Domestic 1	-21145	200292
□ Domestic 2	-21142	197629
□ Domestic 3	-19830	191659

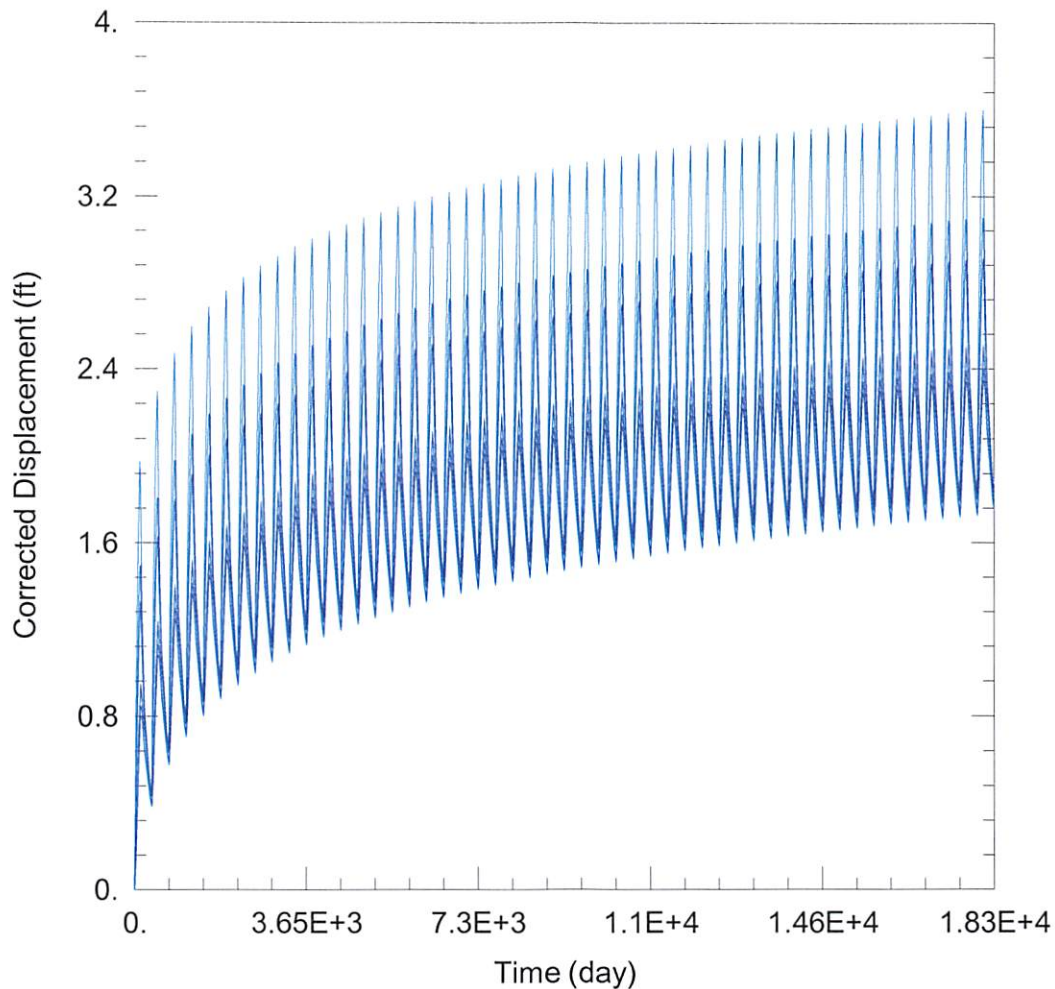
SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 2.104E+4 ft²/day

S = 0.1747



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\709_8398\709 & 8398 Proposed.aqt
 Date: 02/03/22 Time: 16:10:52

PROJECT INFORMATION

Company: GMD 3
 Project: 709 & 8398
 Location: Haskell County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
709 & 8398	-22607	195520

Observation Wells

Well Name	X (ft)	Y (ft)
□	-22607	195520
□ 13675 & 13676	-25283	198027
□ 24726	-21477	200049
□ 27102	-22529	192239
□ 23710	-18110	196991
□ 6881	-20700	190737
□ Domestic 1	-21145	200292
□ Domestic 2	-21142	197629
□ Domestic 3	-19830	191659

SOLUTION

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Solution Method: Theis

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S = 0.1747