

2678 & 30906: Drawdown from current location = 0.91 ft
Drawdown from proposed location = 1.72 ft
Net drawdown = **0.8 ft**

33554 & 30906: Drawdown from current location = 0.92 ft
Drawdown from proposed location = 2.17 ft
Net drawdown = **1.3 ft**

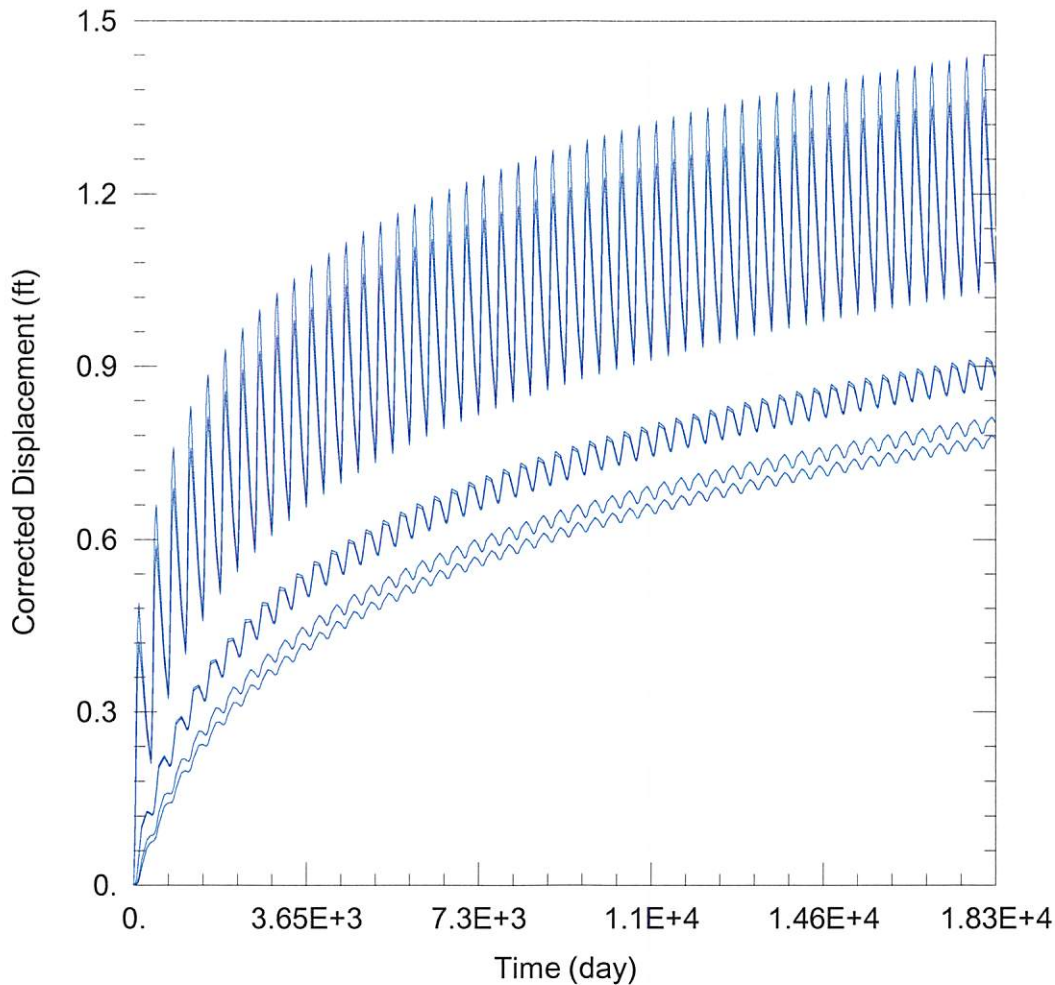
ME 3 & 29129: Drawdown from current location = 0.81 ft
Drawdown from proposed location = 1.96 ft
Net drawdown = **1.1 ft**

34120: Drawdown from current location = 0.78 ft
Drawdown from proposed location = 1.86 ft
Net drawdown = **1.1 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 is unlikely to cause impairment. GMD3 staff recommends approval of this proposal.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\27376\27376 Current.aqt

Date: 05/20/21

Time: 14:07:17

PROJECT INFORMATION

Company: GMD 3

Project: 27376

Location: Meade County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
27376	55826	143779

Observation Wells

Well Name	X (ft)	Y (ft)
□	55826	143779
□ <u>22930</u>	53238	143165
□ <u>4159</u>	58457	144964
□ <u>2678 & 30906</u>	55808	138386
□ <u>33554 & 35306</u>	61151	144252
□ <u>ME 3 & 29129</u>	62174	142248
□ <u>34120</u>	62148	140887

SOLUTION

Aquifer Model: Unconfined

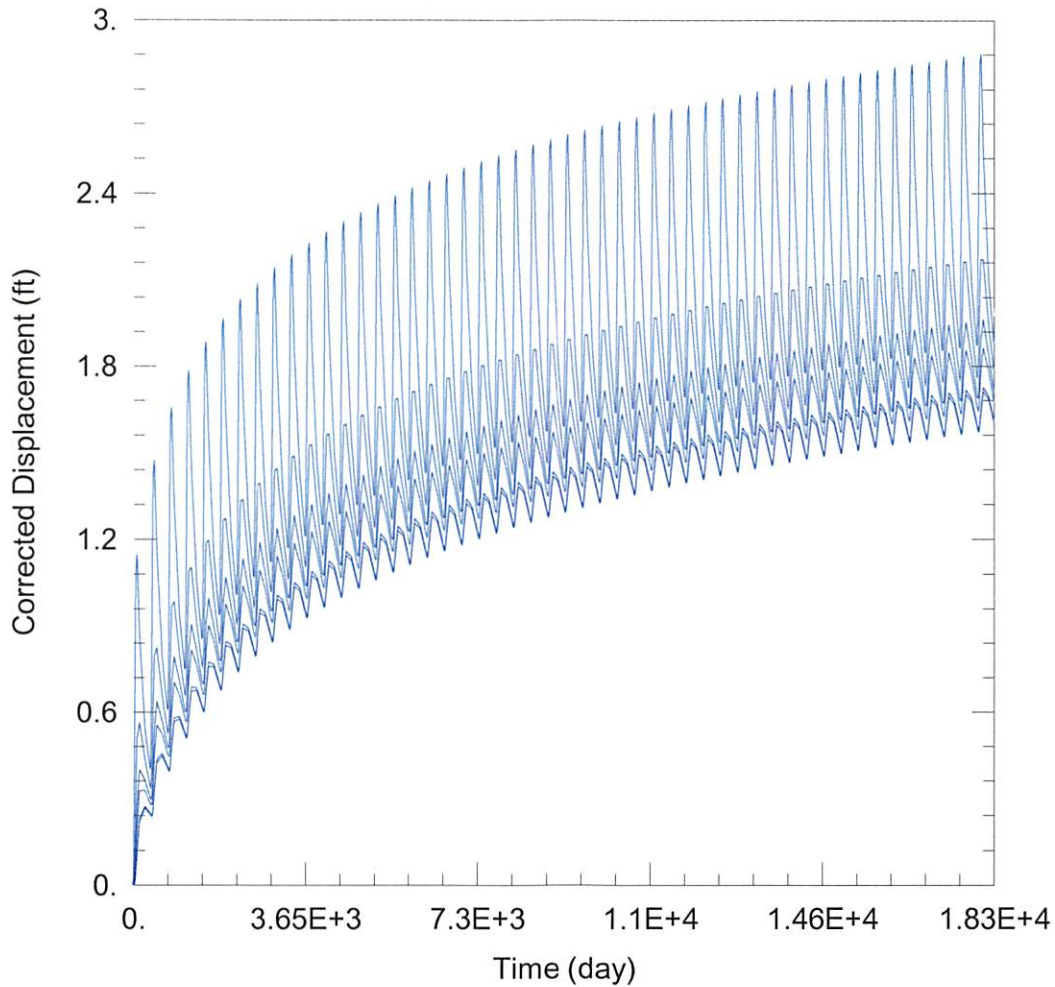
Solution Method: Theis

T = 6995.1 ft²/day

S = 0.2452

Kz/Kr = 1.

b = 234. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\27376\27376 Proposed.aqt

Date: 05/20/21

Time: 14:07:08

PROJECT INFORMATION

Company: GMD 3

Project: 27376

Location: Meade County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
27376	58174	142672

Observation Wells

Well Name	X (ft)	Y (ft)
□	58174	142672
□ <u>22930</u>	53238	143165
□ <u>4159</u>	58457	144964
□ <u>2678 & 30906</u>	55808	138386
□ <u>33554 & 35306</u>	61151	144252
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SOLUTION

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